

CERTIFICATE

This is to certify that the Summer Internship Project entitled “Study of Various GIS framework and Applications/Portals” submitted by AAGAM JAIN (20BCM001), towards the partial fulfillment of the requirements for the degree of B Tech in Computer Science Integrate MBA of Nirma University is the record of work carried out by him under my supervision and guidance. In my opinion, the submitted work has reached a level required for being accepted for examination.

His work is carried out under the ongoing research project funded by ISRO RESPOND Scheme titled as “Design and Development of a Scalable Framework for Geospatial/Geoscience Data Ingestion, Ad-hoc Queries and Analysis on Big Data Environment”.



Dr. Jai Prakash Verma
Principal Investigator – OGP-207
Associate Professor
Department of Computer Science & Engg.,
Institute of Technology,
Nirma University,
Ahmedabad



Certificate no: UC-62936adb-673a-4d0f-a48c-656a67998e14
Certificate uri: ude.my/UC-62936adb-673a-4d0f-a48c-656a67998e14
Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Aarya Chetankumar Patel

Date **Aug. 16, 2021**

Length **55 total hours**



Certificate no: UC-d604a4cd-023a-4531-84e3-4d463d92cd8c
Certificate url: [ude.my/UC-d604a4cd-023a-4531-84e3-4d463d92cd8c](https://udemy.com/UC-d604a4cd-023a-4531-84e3-4d463d92cd8c)
Reference Number: 0004

CERTIFICATE OF COMPLETION

Web Design for Beginners: Real World Coding in HTML & CSS

Instructors **Brad Schiff**

Aarya Chetankumar Patel

Date **Aug. 9, 2021**

Length **11 total hours**



Certificate no: UC-a0056eba-0b11-46df-a15d-c66fe1fa983e

Certificate url: ude.my/UC-a0056eba-0b11-46df-a15d-c66fe1fa983e

Reference Number: 0004

CERTIFICATE OF COMPLETION


100 Days of Code: The Complete Python Pro Bootcamp for 2023

Instructors **Dr. Angela Yu**

Abhinav Tiwari

Date **Dec. 6, 2022**

Length **64 total hours**

VANDERBILT  UNIVERSITY


Jul 7, 2021


Ansh Vyas

has successfully completed

Java for Android


an online non-credit course authorized by Vanderbilt University and offered through Coursera





Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science
Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science
Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science
Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/TNL2HAP65ZKG>
Coursera has confirmed the identity of this individual and their participation in the course.





VANDERBILT UNIVERSITY

Aug 15, 2021

ATHARVA SHRINIWAS JAGDALE

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through
Coursera

Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/LNE9JL6V3LZY>

Coursera has confirmed the identity of this individual and their
participation in the course.



Certificate no: UC-2468c5af-9f5b-4720-b29e-4ea93a5c1e15

Certificate url: ude.my/UC-2468c5af-9f5b-4720-b29e-4ea93a5c1e15

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete JavaScript Course 2021: From Zero to Expert!

Instructors **Jonas Schmedtmann**

Avirat Poundrik

Date **Aug. 14, 2021**

Length **68.5 total hours**

August 16, 2021

Certification of Completion

This is to certify that **Bhavya Parikh** has completed **Web Programming - I** training at NeoGen InfoTech, Ahmedabad from **19th July 2021** to **14th August 2021**.

During the training **Bhvya** has learned Web Programming technologies such as **HTML, CSS & JavaScript**.

Best Wishes,



Chirag Parikh
Founder & CEO
NeoGen InfoTech

Certificate of Course Completion

DAKSH TALATI

has successfully achieved student level credential for completing the Introduction to Internet of Things course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.



Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

August 11, 2021



Certificate no: UC-a2c72dcb-20aa-433f-8d63-14bddc146ad6

Certificate url: ude.my/UC-a2c72dcb-20aa-433f-8d63-14bddc146ad6

Reference Number: 0004

CERTIFICATE OF COMPLETION

Learn Ethical Hacking From Scratch

Instructors **Zaid Sabih, z Security**

Deep Vamanbhai trivedi

Date **Aug. 14, 2021**

Length **15.5 total hours**



Certificate no: UC-cc5233a0-6f69-4167-959c-962ca664cd00

Certificate url: ude.my/UC-cc5233a0-6f69-4167-959c-962ca664cd00

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Deep Vamanbhai trivedi

Date **Aug. 14, 2021**

Length **55 total hours**



Aug 30, 2021

Devangi Patel

has successfully completed

Process Data from Dirty to Clean

an online non-credit course authorized by Google and offered through Coursera



Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/FW6R5TS3WPV4
Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-9d983e12-17ec-4ac0-9521-6a2ff3f0988a

Certificate url: ude.my/UC-9d983e12-17ec-4ac0-9521-6a2ff3f0988a

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Web Developer Bootcamp 2021

Instructors **Colt Steele**

Devansh Gangani

Date **Aug. 25, 2021**

Length **63.5 total hours**



8 Courses

Foundations: Data, Data, Everywhere

Ask Questions to Make Data-Driven Decisions

Prepare Data for Exploration

Process Data from Dirty to Clean

Analyze Data to Answer Questions

Share Data Through the Art of Visualization

Data Analysis with R Programming

Google Data Analytics Capstone: Complete a Case Study



Mar 6, 2023

Devdeepsinh Zala

has successfully completed the online, non-credit Professional Certificate

Google Data Analytics

Those who earn the Google Data Analytics Professional Certificate have completed eight courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for introductory-level roles in Data Analytics. They are competent in tools and platforms including spreadsheets, SQL, Tableau, and R. They know how to prepare, process, analyze, and share data for thoughtful action.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/professional-cert/L749FDJN9XA9>



5 Courses

Game Design and
Development 1: 2D Shooter

Game Design and
Development 2: 2D
Platformer

Game Design and
Development 3: 3D Shooter

Game Design and
Development 4: 3D
Platformer

Game Design and
Development 5: Capstone
Project



Aug 21, 2021

Dhiraj Girish Makhijani

has successfully completed the online, non-credit Specialization

Game Design and Development with Unity 2020

In this Specialization, learners build the skills necessary to design and development games. The Specialization focuses on both the theory and practice of game making. From a technical standpoint, learners create four game projects in the Unity game engine, include a 2D Shooter, 2D Platformer, First-Person Shooter, and 3D Platformer. In the Capstone Project, learners create a completely original game of their own design from initial concept up to the first playable prototype. The Specialization comes from the Michigan State University game program which is ranked as one of the top programs in North America.

Brian Winn, Full
Professor, Michigan
State University,
Department of Media
and Information

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Verify this certificate at:
coursera.org/verify/specialization/49CYPXPU2CDU



JOHNS HOPKINS
UNIVERSITY

11-Aug-2021

Dhruv Dharmesh Shah

has successfully completed

HTML, CSS, and Javascript for Web Developers

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Yaakov C.

Yaakov Chaikin
Adjunct Professor, Graduate Computer Science
Whiting School of Engineering
Johns Hopkins University

COURSE
CERTIFICATE



Verify at:
coursera.org/verify/6KHCD495X648

Coursera has confirmed the identity of this individual and their participation in the course.

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or register this learner at JHU or in any course offered by JHU; or entitle this learner to access or use resources beyond the online courses provided by Coursera.

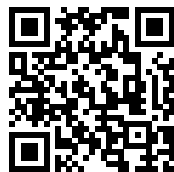
Certificate of Course Completion

Dhruv Shah

has successfully achieved student level credential for completing the Introduction to Cybersecurity course.

The student was able to proficiently:

- Explain the basics of being safe online, including what cybersecurity is and its potential impact.
- Explain the most common cyber threats, attacks, and vulnerabilities.
- Explain how to protect oneself while online.
- Explain how organizations can protect their operations against these attacks.
- Access a variety of information and resources to explore the different career options in cybersecurity.



Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

August 09, 2021

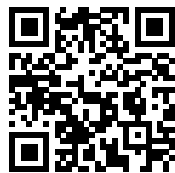
Certificate of Course Completion

Dhruv Shah

has successfully achieved student level credential for completing the Introduction to Internet of Things course.

The student was able to proficiently:

- Explain how IoT and Digital Transformation are positively impacting businesses and governments.
- Explain the importance of software and data for digital businesses and society.
- Explain the benefits of automation and artificial intelligence for digital transformation.
- Explain the concepts of Intent Based Networking.
- Explain the need for enhanced security in the digitized world.



Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

August 11, 2021



5 Courses

**Technical Support
Fundamentals**

**The Bits and Bytes of
Computer Networking**

**Operating Systems and You:
Becoming a Power User**

**System Administration and
IT Infrastructure Services**

**IT Security: Defense against
the digital dark arts**



Aug 8, 2021

Dhruvil Raval

has successfully completed the online, non-credit Professional Certificate

Google IT Support

Those who earn the Google IT Support Professional Certificate have completed five-courses, developed by Google, that include hands-on, practice-based assessments and are designed to prepare them for entry-level roles in IT support. They are competent in foundational skills, including troubleshooting and customer service, networking, operating systems, system administration, and security.

Ananda Parag

Google

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:

<https://coursera.org/verify/professional-cert/TK8UBR8QSYJD>



Certificate no: UC-2cb7f00f-d1ce-49f9-88b4-92f798c31740

Certificate url: ude.my/UC-2cb7f00f-d1ce-49f9-88b4-92f798c31740

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Web Developer Bootcamp 2021

Instructors **Colt Steele**

Dhyey Sherasia

Date **Aug. 14, 2021**

Length **63.5 total hours**



Certificate Number
ALTITNB437-2021-2500005



ADVANCED LEVEL TELECOM TRAINING CENTRE (ALTTC), GHAZIABAD
(UNO'S ITU CENTRE OF EXCELLENCE)

APEX TRAINING INSTITUTE OF BSNL(A GOVT. OF INDIA ENTERPRISE)

A Joint Venture Of International Telecommunication Union, Geneva, UNDP And The Government Of India In 1975

CERTIFICATE

This is to Certify that Mr./Ms.

Divya Mehra,

Student of

Nirma University S. G. Highway Ahmedabad - 382481 Gujarat

has successfully completed the following Course conducted by
Bharat Sanchar Nigam Limited

Name of the Course: Industrial/Internship Training : Integrated Telecom/Data Network & Cyber Security

with effect from **7/19/2021** TO **8/14/2021**

at **ALTTC, Ghaziabad**

We wish him/her all the best for a bright future.

8/14/2021

DATE

Assistant Director (Course & Exam)
(ALTTC)



5 Courses

Introduction to HTML5

Introduction to CSS3

Interactivity with JavaScript

Advanced Styling with Responsive Design

Web Design for Everybody Capstone



Aug 11, 2021

Drashti Patel

has successfully completed the online, non-credit Specialization

Web Design for Everybody: Basics of Web Development & Coding

This Specialization covers how to write syntactically correct HTML5 and CSS3, and how to create interactive web experiences with JavaScript. Mastering this range of technologies will allow you to develop high quality web sites that, work seamlessly on mobile, tablet, and large screen browsers accessible. During the capstone you will develop a professional-quality web portfolio demonstrating your growth as a web developer and your knowledge of accessible web design. This will include your ability to design and implement a responsive site that utilizes tools to create a site that is accessible to a wide audience, including those with visual, audial, physical, and cognitive impairments.

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information,
University of Michigan

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/LBBPBYPYRHSWA4



Certificate no: UC-72ec961c-15d2-43f9-b5f0-25d1768131b8

Certificate url: ude.my/UC-72ec961c-15d2-43f9-b5f0-25d1768131b8

Reference Number: 0004

CERTIFICATE OF COMPLETION

Front End Web Development Ultimate Course 2021

Instructors **Learn Tech Plus**

Esha Gangwar

Date **Aug. 14, 2021**

Length **91.5 total hours**



VANDERBILT UNIVERSITY

Aug 19, 2021

Gautam Singh Suryavanshi

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through
Coursera

Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/W85BLW8NZ93B>

Coursera has confirmed the identity of this individual and their
participation in the course.



UNIVERSITY OF MARYLAND

Aug 1, 2021

HARSH SARADVA

has successfully completed

Cryptography

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jonathan Katz, PhD
Professor
Department of Computer Science
University of Maryland

COURSE
CERTIFICATE



Verify at coursera.org/verify/YUZBB6MF4J9S
Coursera has confirmed the identity of this individual and their participation in the course.



The State University
of New York

Aug 11, 2021

HARSH SARADVA

has successfully completed

Blockchain Basics

an online non-credit course authorized by University at Buffalo, The State University of
New York and offered through Coursera

Bina Ramamurthy
Teaching Professor
Computer Science and Engineering

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/MRCMWVDV869H
Coursera has confirmed the identity of this individual and their
participation in the course.

M UNIVERSITY OF MICHIGAN

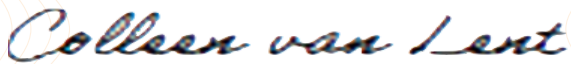
Aug 15, 2021

HARSH SARADVA

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/SKFKR4GX9Z4J
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

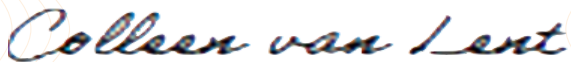
Aug 11, 2021

HARSH SARADVA

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/89QSS4S7M2WP
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 8, 2021

HARSH SARADVA

has successfully completed

Hardware Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Gang Qu, Professor
Director, Maryland Embedded Systems and Hardware Security Lab
Electrical and Computer Engineering Department
University of Maryland, College Park

COURSE CERTIFICATE



Verify at coursera.org/verify/FVABCZ264P23

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Jul 26, 2021

HARSH SARADVA

has successfully completed

Software Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Professor Michael Hicks
Department of Computer Science
and the Maryland Cybersecurity Center (MC2)
University of Maryland, College Park

COURSE CERTIFICATE



Verify at coursera.org/verify/UE93UWDSSATN
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Jul 21, 2021

HARSH SARADVA

has successfully completed

Usable Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jennifer Golbeck, Ph.D.
College of Information Studies
University of Maryland

COURSE CERTIFICATE



Verify at coursera.org/verify/HDY2GKWBAW8Y
Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-181b398c-d325-4fc8-9275-60d153812abe

Certificate url: ude.my/UC-181b398c-d325-4fc8-9275-60d153812abe

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete JavaScript Course 2021: From Zero to Expert!

Instructors **Jonas Schmedtmann**

Harsh Parekh

Date **Sept. 1, 2021**

Length **68.5 total hours**

M UNIVERSITY OF MICHIGAN

Sep 28, 2021

Harsh Sunil Gupta

has successfully completed

Using Python to Access Web Data

an online non-credit course authorized by University of Michigan and offered through Coursera



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/82HD6DB5A84G>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

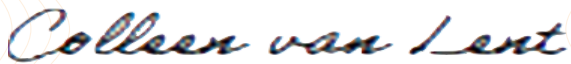
Aug 11, 2021

Harshitkumar Atul Kava

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/RDQMBZTVJSCF
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 13, 2021

Harshitkumar Atul Kava

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/ZKFQ3375MSF7
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

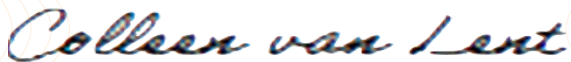
Aug 13, 2021

Harshitkumar Atul Kava

has successfully completed

Advanced Styling with Responsive Design

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/G2G65CMMR5FD
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 14, 2021

Harshitkumar Atul Kava

has successfully completed

Interactivity with JavaScript

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/Q4SKVTL99ZH2
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 16, 2021

Harshitkumar Atul Kava

has successfully completed

Web Design for Everybody Capstone

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/TDGFL286Q9CN
Coursera has confirmed the identity of this individual and their participation in the course.



5 Courses

Introduction to HTML5

Introduction to CSS3

Interactivity with JavaScript

Advanced Styling with Responsive Design

Web Design for Everybody Capstone



Aug 16, 2021

Harshitkumar Atul Kava

has successfully completed the online, non-credit Specialization

Web Design for Everybody: Basics of Web Development & Coding

This Specialization covers how to write syntactically correct HTML5 and CSS3, and how to create interactive web experiences with JavaScript. Mastering this range of technologies will allow you to develop high quality web sites that, work seamlessly on mobile, tablet, and large screen browsers accessible. During the capstone you will develop a professional-quality web portfolio demonstrating your growth as a web developer and your knowledge of accessible web design. This will include your ability to design and implement a responsive site that utilizes tools to create a site that is accessible to a wide audience, including those with visual, audial, physical, and cognitive impairments.

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information,
University of Michigan

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Verify this certificate at:
coursera.org/verify/specialization/BA47NBPRVPCW



Aug 14, 2021

Harshitkumar Atul Kava

has successfully completed

Foundations of User Experience (UX) Design

an online non-credit course authorized by Google and offered through Coursera



Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/64Y5LN2YREXT

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-76dd40d4-8778-487a-b742-921cb1ddb35

Certificate url: ude.my/UC-76dd40d4-8778-487a-b742-921cb1ddb35

Reference Number: 0004

CERTIFICATE OF COMPLETION

Stock Market Trading: The Complete Technical Analysis Course

Instructors **Steve Ballinger, MBA**

Heeral neema

Date **Aug. 25, 2021**

Length **12.5 total hours**



Certificate no: UC-5055f617-e6ed-4527-8cd7-cb5d47ee1600

Certificate url: ude.my/UC-5055f617-e6ed-4527-8cd7-cb5d47ee1600

Reference Number: 0004

CERTIFICATE OF COMPLETION

Data Analysis Bootcamp™ 21 Real World Case Studies

Instructors **Rajeev D. Ratan, Nidia Sahjara**

Heeral neema

Date **Aug. 24, 2021**

Length **21 total hours**

Certificate of Completion

*This is to certify that **Heeral neema** successfully completed 6.5 total hours of **Stock Market from Scratch for Complete Beginners** online course on **May 20, 2021***

Jatin Taneja

Jatin Taneja, Instructor

&



Certificate no: UC-6ca6ad43-4a12-402d-baef-a315dde60248
Certificate url: ude.my/UC-6ca6ad43-4a12-402d-baef-a315dde60248
Version 3

#BeAble



Certificate no: UC-7d34c013-7d2f-44de-a84b-e9766bb2ebd6

Certificate url: ude.my/UC-7d34c013-7d2f-44de-a84b-e9766bb2ebd6

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Business Intelligence Analyst Course 2021

Instructors **365 Careers**

Heeral neema

Date **Aug. 24, 2021**

Length **20.5 total hours**



Certificate no: UC-4b9a8d74-9478-4ff0-9a55-feb67de649dd

Certificate url: ude.my/UC-4b9a8d74-9478-4ff0-9a55-feb67de649dd

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Web Developer Bootcamp 2021

Instructors **Colt Steele**

Hiya Shah

Date **Aug. 11, 2021**

Length **63 total hours**



Certificate no: UC-4b9a8d74-9478-4ff0-9a55-feb67de649dd

Certificate url: ude.my/UC-4b9a8d74-9478-4ff0-9a55-feb67de649dd

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Web Developer Bootcamp 2021

Instructors **Colt Steele**

Jatin Kashyap

Date **Aug. 11, 2021**

Length **63 total hours**



Certificate no: UC-b0129a59-c960-41c9-985f-6e1c6710d9ae

Certificate url: ude.my/UC-b0129a59-c960-41c9-985f-6e1c6710d9ae

Reference Number: 0004

CERTIFICATE OF COMPLETION

Adobe After Effects CC: Complete Course - Novice to Expert

Instructors **Louay Zambarakji**

Jay Patel

Date **Aug. 27, 2021**

Length **35 total hours**

Congratulations!

Jaymee
Akruwala

Rank: 5036

Newton's Grand Contest 2021

 **Newton** School



CS50 Certificate

CS50 congratulates

Jinay Shah

on completion of CS50x,
including ten problem sets,
ten labs, and one final project.

Awarded from Cambridge, Massachusetts,
in the year two thousand twenty-one.

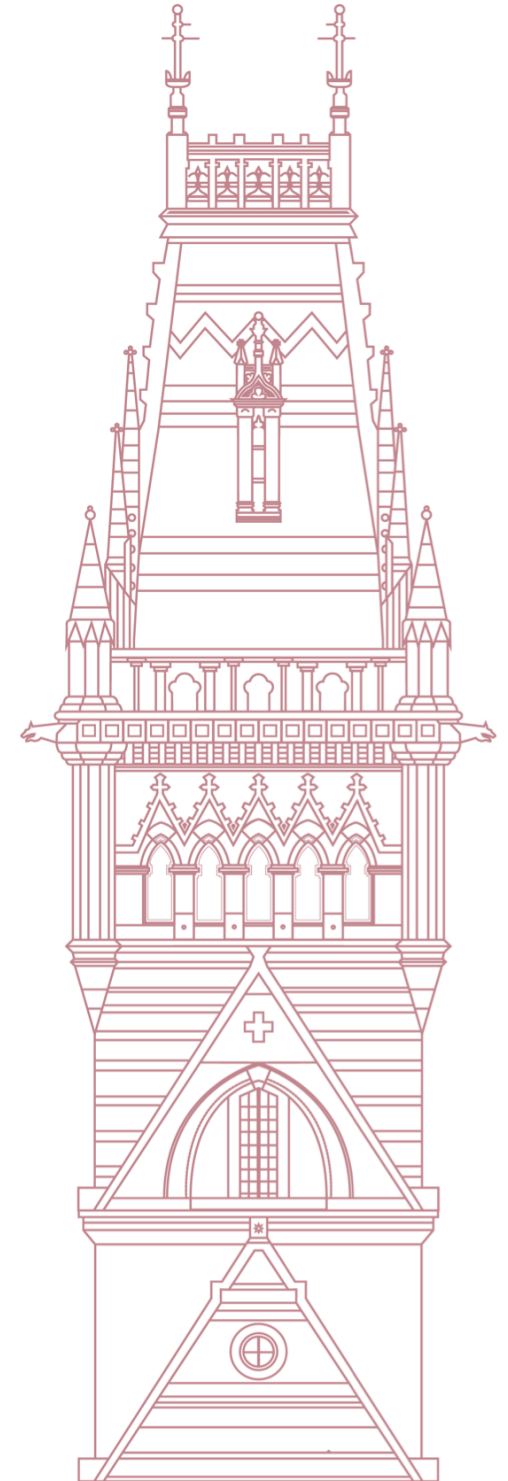


David J. Malan

Gordon McKay Professor of the Practice of Computer Science
Harvard University



<https://cs50.harvard.edu/certificates/d0aaecdf-046f-43f8-8dde-99ebf398e51b>



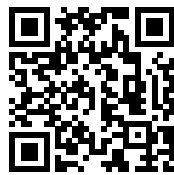
Certificate of Course Completion

kamya shah

has successfully achieved student level credential for completing the Introduction to Cybersecurity course.

The student was able to proficiently:

- Explain the basics of being safe online, including what cybersecurity is and its potential impact.
- Explain the most common cyber threats, attacks, and vulnerabilities.
- Explain how to protect oneself while online.
- Explain how organizations can protect their operations against these attacks.
- Access a variety of information and resources to explore the different career options in cybersecurity.



Scan to Verify

Laura Quintana

Laura Quintana
Vice President and General Manager
Cisco Networking Academy

August 08, 2021



VANDERBILT UNIVERSITY

Aug 14, 2021

Karna Patel

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through
Coursera

Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/XABEGA7J3BWA>

Coursera has confirmed the identity of this individual and their
participation in the course.

Verified Certificate

HarvardX

This is to certify that

Kartik Saxena

successfully completed and received a passing grade in

**CS50AI: CS50's Introduction to Artificial
Intelligence with Python**

a course of study offered by HarvardX, an online learning initiative of
Harvard University.



David J. Malan

Gordon McKay Professor of the Practice of Computer
Science

Harvard University



Verified Certificate
Issued August 27, 2021

Valid Certificate ID
69a5d5abc81b466eb7e12f262da1eaec

M UNIVERSITY OF MICHIGAN

Aug 6, 2021

khushboo

has successfully completed

Successful Negotiation: Essential Strategies and Skills

an online non-credit course authorized by University of Michigan and offered through Coursera



George Siedel
Williamson Family Professor of Business Administration
Thurnau Professor of Business Law
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/7EJB7N55MKK8
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 10, 2021

khushboo

has successfully completed

Cryptography

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jonathan Katz, PhD
Professor
Department of Computer Science
University of Maryland

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/TGYGDHFR9LHX>

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 12, 2021

khushboo

has successfully completed

Hardware Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Gang Qu, Professor
Director, Maryland Embedded Systems and Hardware Security Lab
Electrical and Computer Engineering Department
University of Maryland, College Park

COURSE CERTIFICATE



Verify at:
<https://coursera.org/verify/JJ73XB4VGSRJ>

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 10, 2021

khushboo

has successfully completed

Software Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Professor Michael Hicks
Department of Computer Science
and the Maryland Cybersecurity Center (MC2)
University of Maryland, College Park

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/ULBWUXSTPMZR>

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Jul 28, 2021

khushboo

has successfully completed

Usable Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jennifer Golbeck, Ph.D.
College of Information Studies
University of Maryland

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/R2252PKU53UB>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Jul 23, 2021

Krishna Vora

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/HG98PXGNE67F
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Jul 18, 2021

Krishna Vora

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/DUFP73DVLBEH
Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-2468c5af-9f5b-4720-b29e-4ea93a5c1e15

Certificate url: ude.my/UC-2468c5af-9f5b-4720-b29e-4ea93a5c1e15

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete JavaScript Course 2021: From Zero to Expert!

Instructors **Jonas Schmedtmann**

Krishna Vora

Date **Aug. 14, 2021**

Length **68.5 total hours**

6th August 2021

To whomsoever it may concern

This is to certify that Mr. Krutang Thakor, studying in Integrated B.Tech. – CSE MBA at CSE Department of Institute of Technology - Nirma University, has taken up a Summer Internship on “Software Engineering Practices using SDLC” and has successfully completed the internship within the specified time exceeding our expectations.

His conduct and outlook towards learning and adopting skills is appreciable.

Internship Summary:

Understanding Software Engineering Practices including all the phases of SDLC based on Waterfall and Agile methodologies.

Krutang has also had hands-on experience to practice various SDLC phases for the specific feature required by our esteemed customers. His skills to apply the learnings was appreciable.

The tenure of the Internship was from 12th July 2021 to 6th August 2021.

We wish Krutang all the best in all his future endeavours.

For Advanced Sys-tek Pvt. Ltd.



Dhananjay Shah

Sr. Manager – Software

Dhananjay.Shah@advancedsystemek.com



Advanced Sys-tek Pvt. Ltd.

299 - 300, G.I.D.C., Makarpura, Vadodara - 390 010. Gujarat, INDIA

T : +91 - 265 - 3041100 | Website : www.advancedsystemek.com

CIN # U33112GJ1988PTC010464

T : +91-265-6190300



Aug 10, 2021

Kumar Tanna

has successfully completed

The Bits and Bytes of Computer Networking

an online non-credit course authorized by Google and offered through Coursera

Google

Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/5GQ93L2EN5B5
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 4, 2021

Kumar Tanna

has successfully completed

Software Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Professor Michael Hicks
Department of Computer Science
and the Maryland Cybersecurity Center (MC²)
University of Maryland, College Park

COURSE
CERTIFICATE



Verify at coursera.org/verify/6226L6BTHMPB
Coursera has confirmed the identity of this individual and their participation in the course.



Jul 23, 2021

Kumar Tanna

has successfully completed

Introduction to Cybersecurity Tools & Cyber Attacks

an online non-credit course authorized by IBM and offered through Coursera

Coreen Ryskamp
Program Manager
IBM Security Learning Services

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/BRWWVX6CULN3
Coursera has confirmed the identity of this individual and their participation in the course.



Certificate of Achievement

Kumar Tanna

has completed the following course:

INTRODUCTION TO PHYSICAL COMPUTING
LANCASTER UNIVERSITY AND INSTITUTE OF CODING

This course explored what physical computing is, how it's changed over the years and what it's growing into. It explored the anatomy of physical computing and debated the ethical considerations of its applications. It also explored the creative uses of this technology and careers in the industry.

2 weeks, 2 hours per week



Joe Finney
Professor of Computer Science
Lancaster University



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.

This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.



Kumar Tanna

has completed the following course:

INTRODUCTION TO PHYSICAL COMPUTING LANCASTER UNIVERSITY AND INSTITUTE OF CODING

This online course explored what physical computing is, how it has changed over the years and what it is growing into. It explored the anatomy of physical computing and debated the ethical considerations of physical computing applications. It also explored the creative uses of this technology and followed the careers of people working in the physical computing industry.

STUDY REQUIREMENT

2 weeks, 2 hours per week

LEARNING OUTCOMES

- Explain the basic components of physical computing and its real world applications
- Explore the anatomy of physical computing
- Debate the ethical considerations of physical computing applications
- Explore creative applications of physical computing
- Identify how physical computing is used in the workplace and its associated job roles
- Discuss the future of physical computing

SYLLABUS

- Physical computing
- The architecture of a physical computing system
- The ethics surrounding physical computing
- Careers/pathways in physical computing
- What the Internet of Things (IoT) is



Aug 10, 2021

Kushal Shah

has successfully completed

HTML, CSS, and Javascript for Web Developers

an online non-credit course authorized by Johns Hopkins University and offered through Coursera

Yakov Chaikin
Adjunct Professor, Graduate Computer Science
Whiting School of Engineering
Johns Hopkins University

COURSE
CERTIFICATE



Verify at:
coursera.org/verify/Q28T2GAP4WIP

Coursera has confirmed the identity of this individual and their participation in the course. This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University; it does not confer a JHU grade, course credit, or degree, establish a relationship between this learner and JHU, enroll or register this learner at JHU or in any course offered by JHU, or entitle this learner to access or use resources beyond the online courses provided by Coursera.

M UNIVERSITY OF MICHIGAN

Aug 22, 2021

Lokesh Mehta

has successfully completed

Advanced Styling with Responsive Design

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/G4LBVB596QS6
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

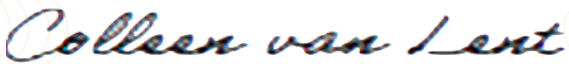
Aug 22, 2021

Lokesh Mehta

has successfully completed

Interactivity with JavaScript

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/MFPHVD9S2JLF
Coursera has confirmed the identity of this individual and their participation in the course.



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

Aug 4, 2021

Lokesh Mehta

has successfully completed

Introduction to C# Programming and Unity

an online non-credit course authorized by University of Colorado System and offered through Coursera

A handwritten signature in black ink, reading 'Tim Chamillard'.

Tim "Dr. T" Chamillard
Associate Professor of Computer Science
Program Director, Bachelor of Innovation(TM) in Game Design and Development
University of Colorado Colorado Springs

COURSE
CERTIFICATE



Verify at coursera.org/verify/WFKNNM2ZLFAJ
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 21, 2021

Lokesh Mehta

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/ZU8P34DR4QWZ
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 20, 2021

Lokesh Mehta

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/62P264FRMJGU
Coursera has confirmed the identity of this individual and their participation in the course.



CERTIFICATE OF COMPLETION

Lovish Vijayvargiya

is presented with this certificate on successful completion of

Android App Development Course

under the guidelines and norms of the program structure
conducted during the month of August 2021

Mr. Mayank Arora
Program Coordinator
Technophilia Solutions

Mrs. Shilpa Mehta
Chief Executive Officer
Technophilia Solutions



Aug 9, 2023

MANTHAN MATHUR

has successfully completed

System Administration and IT Infrastructure Services

an online non-credit course authorized by Google and offered through Coursera

Google

Google

COURSE
CERTIFICATE



Verify at coursera.org/verify/PREVTLLYEW
Coursera has confirmed the identity of this individual and their participation in the course.

CERTIFICATE

This is to certify that the Summer Internship Project entitled “GeoSpatial Data Analytics: Research Challenges & Applications” submitted by MEGH SHAH (20BCM049), towards the partial fulfillment of the requirements for the degree of B Tech in Computer Science Integrate MBA of Nirma University is the record of work carried out by him/her under my supervision and guidance. In my opinion, the submitted work has reached a level required for being accepted for examination.

His work is carried out under the ongoing research project funded by ISRO RESPOND Scheme titled as “Design and Development of a Scalable Framework for Geospatial/Geoscience Data Ingestion, Ad-hoc Queries and Analysis on Big Data Environment”.



Dr Jaiprakash Verma
Principal Investigator – OGP-207
Associate Professor
Department of Computer Science & Engg.,
Institute of Technology,
Nirma University,
Ahmedabad

This badge was issued to [Monit Patel](#)
on August 25, 2021

 Verified

 Celebrate

 Networking
CISCO Academy

Verified

Networking Essentials

Verification



✓ Issued on August 25, 2021

✓ Issued by Cisco

✓ Issued using Credly

✓ Issued to Monit Patel

✓ Accepted on August 26,
2021

✓ Last Updated August 26,
2021

✓ **VERIFIED**

Aug 17, 2021

Mudit Maheshwari

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through Coursera



Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE CERTIFICATE



Verify at coursera.org/verify/A9YVMEVP3TVV
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Jul 28, 2021

NANDAN PRANAV SHAH

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/JL6RZ3V2DM73>

Coursera has confirmed the identity of this individual and their participation in the course.



Forage

Inspiring and empowering
future professionals

Nishchay Patel

Software Engineering Virtual Experience Program

Certificate of Completion
July 2nd, 2023

Over the period of June 2023 to July 2023, Nishchay Patel has completed practical tasks in:

Crack leaked password database

Matthew Chung
Global Chief
Information Security
Officer and Head of
Technology Risk

Tom Brunskill
CEO, Co-Founder of
Forage



UNIVERSITY OF MINNESOTA
Driven to DiscoverSM

COURSE
CERTIFICATE

Aug 6, 2021

Nishit Maheshkumar Darji

has successfully completed

**Software Development Processes and
Methodologies**

an online non-credit course authorized by University of Minnesota and offered through
Coursera



Handwritten signatures of Praveen Mittal and Kevin Wendt in black ink.

Praveen Mittal
Adjunct Professor
College of Science and Engineering

Kevin Wendt
Director of Graduate Studies, Software Engineering
Department of Computer Science and Engineering

Verify at coursera.org/verify/9Q8FUQH75Q6
Coursera has confirmed the identity of this individual and their
participation in the course.



Certificate no: UC-f7be8ef6-8817-49bc-a0fe-e00d427ed88d

Certificate url: ude.my/UC-f7be8ef6-8817-49bc-a0fe-e00d427ed88d

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Om Patel

Date **Aug. 9, 2021**

Length **55 total hours**



Jul 29, 2021

Om Sanjaykumar Patel

has successfully completed

AWS Cloud Technical Essentials

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Alana Layton
Senior Cloud Technologist
AWS Training and Certification

Morgan Willis
Senior Cloud Technologist
AWS Training and Certification

COURSE
CERTIFICATE



Verify at coursera.org/verify/CY7QK3MSCJP5
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 7, 2021

Om Sanjaykumar Patel

has successfully completed

AWS Fundamentals: Addressing Security Risk

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Rudy Chetty
Senior Solutions Architect

Hong Pham
Solutions Architect

COURSE CERTIFICATE



Verify at coursera.org/verify/YBMRTLQWH4QY
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 12, 2021

Om Sanjaykumar Patel

has successfully completed

AWS Fundamentals: Migrating to the Cloud

an online non-credit course authorized by Amazon Web Services and offered through
Coursera

**COURSE
CERTIFICATE**



Cloud Technologist

Technical Architect

Verify at coursera.org/verify/Q43HXVVQYSM2
Coursera has confirmed the identity of this individual and their
participation in the course.



Aug 15, 2021

Om Sanjaykumar Patel

has successfully completed

AWS Fundamentals: Building Serverless Applications

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Rick Hurst, Jonathan Dion, Adam Becker, Bobbie Atristain, Wes Gruver
AWS Training and Certification

COURSE
CERTIFICATE



Verify at coursera.org/verify/J8U4XVB4UJJW
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 13, 2021

Pallav Kothari

has successfully completed

**Programming Foundations with JavaScript, HTML
and CSS**

an online non-credit course authorized by Duke University and offered through Coursera

Four handwritten signatures in black ink, arranged horizontally. From left to right, they appear to be: Susan H. Rodger, Robert Duvall, Owen Astrachan, and Andrew D. Hilton.

Susan H. Rodger, Professor of the Practice, Computer Science
Robert Duvall, Lecturer, Computer Science
Owen Astrachan, Professor of the Practice, Computer Science
Andrew D. Hilton, Assistant Professor of the Practice, Electrical and Computer Engineering

**COURSE
CERTIFICATE**



Coursera has confirmed the identity of this individual and their participation in the course.



5 Courses

Introduction to HTML5

Introduction to CSS3

Interactivity with JavaScript

Advanced Styling with Responsive Design

Web Design for Everybody Capstone



Aug 17, 2021

PARV AXAYKUMAR MODI

has successfully completed the online, non-credit Specialization

Web Design for Everybody: Basics of Web Development & Coding

This Specialization covers how to write syntactically correct HTML5 and CSS3, and how to create interactive web experiences with JavaScript. Mastering this range of technologies will allow you to develop high quality web sites that, work seamlessly on mobile, tablet, and large screen browsers accessible. During the capstone you will develop a professional-quality web portfolio demonstrating your growth as a web developer and your knowledge of accessible web design. This will include your ability to design and implement a responsive site that utilizes tools to create a site that is accessible to a wide audience, including those with visual, audial, physical, and cognitive impairments.

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information,
University of Michigan

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/NYANBW7XMDBY



TO WHOMSOEVER IT MAY CONCERN

Date: 15.08.2021

Our Ref.: Poojan/VRS/01/2021-22

This is to certify that Mr. Poojan Parikh has done his internship in Basics of Industrial Automation and BMS at H.P Automation and Controls P. Ltd., from 19th July 2021 to 14th August 2021.

We certify that he has satisfactorily learned and understood the below products and systems:

- 1) VFD, PLC, SCADA product and program learning
- 2) Schneider PLC based control systems of N. A. Roto Machines
- 3) Schneider PLC and SCADA based BMS system

During his internship he has demonstrated his skills with self-motivation to learn new skills. His performance exceeded our expectations and he was able to complete the project on time.

We wish him all the best for his upcoming career.

For H.P. Automation and Controls Pvt. Ltd.

Vinod Suthar - Director





5 Courses

Introduction to HTML5
Introduction to CSS3
Interactivity with JavaScript
Advanced Styling with Responsive Design
Web Design for Everybody
Capstone



Aug 18, 2021

Pranita Pandey

has successfully completed the online, non-credit Specialization

Web Design for Everybody: Basics of Web Development & Coding

This Specialization covers how to write syntactically correct HTML5 and CSS3, and how to create interactive web experiences with JavaScript. Mastering this range of technologies will allow you to develop high quality web sites that, work seamlessly on mobile, tablet, and large screen browsers accessible. During the capstone you will develop a professional-quality web portfolio demonstrating your growth as a web developer and your knowledge of accessible web design. This will include your ability to design and implement a responsive site that utilizes tools to create a site that is accessible to a wide audience, including those with visual, audial, physical, and cognitive impairments.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information,
University of Michigan

Verify this certificate at:
<https://coursera.org/verify/specialization/9AJ39BD6NZJW>



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

Aug 16, 2021

Pranita Pandey

has successfully completed

Introduction to C# Programming and Unity

an online non-credit course authorized by University of Colorado System and offered through Coursera

Tim "Dr. T" Chamillard
Associate Professor of Computer Science
Program Director, Bachelor of Innovation(TM) in Game Design and Development
University of Colorado Colorado Springs

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/YHZECH8E3EUP>
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 26, 2021

Priyanshi Hemant Deliwala

has successfully completed

Foundations: Data, Data, Everywhere

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink that reads "Amanda Brophy".

Amanda Brophy
Global Director of Google Career Certificates

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/VSKTM5392K92>

Coursera has confirmed the identity of this individual and their participation in the course.



Aug 28, 2021

Priyanshi Hemant Deliwala

has successfully completed

Ask Questions to Make Data-Driven Decisions

an online non-credit course authorized by Google and offered through Coursera

A handwritten signature in black ink that reads "Amanda Brophy".

Amanda Brophy
Global Director of Google Career Certificates

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/67UYBL9A9W5B>

Coursera has confirmed the identity of this individual and their participation in the course.



**COURSE
CERTIFICATE**

Aug 31, 2021

Priyanshi Hemant Deliwala

has successfully completed

Prepare Data for Exploration

an online non-credit course authorized by Google and offered through Coursera



A handwritten signature in black ink, reading "Amanda Brophy".

Amanda Brophy
Global Director of Google Career Certificates

Verify at:

<https://coursera.org/verify/VNZMJKPTQG2D>

Coursera has confirmed the identity of this individual and their participation in the course.



Sep 1, 2021

Priyanshi Hemant Deliwala

has successfully completed

Process Data from Dirty to Clean

an online non-credit course authorized by Google and offered through Coursera

Amanda Brophy
Global Director of Google Career Certificates

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/UYSAWQGH6MSY>

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-7f179225-54ad-4595-b160-52d791b7b066

Certificate url: ude.my/UC-7f179225-54ad-4595-b160-52d791b7b066

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Flutter Development Bootcamp with Dart

Instructors **Dr. Angela Yu**

Priyanshu Prasad

Date **Nov. 3, 2021**

Length **29 total hours**



CERTIFICATE

presented to

Pujita Dhingra

for successfully graduating from

The Frontend Developer Career Path

August 26, 2021

A handwritten signature in black ink that reads "Per Harald Borgen".

Per Harald Borgen
CEO at Scrimba AS

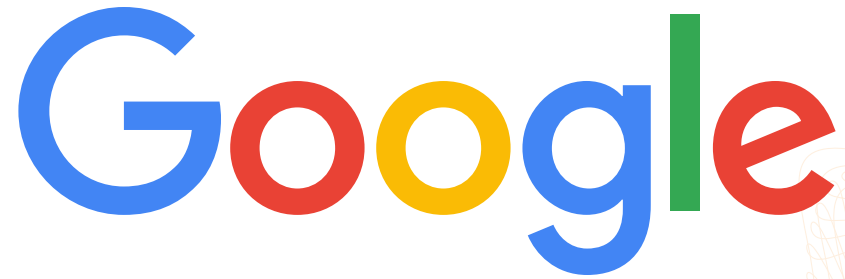
Certificate URL: <https://scrimba.com/certificate/uDLkKQAz/gfrontend>

CERTIFICATE

This is to certify that the Summer Internship Project entitled “Study of scalable systems for GIS” submitted by RISHABH SARASWAT (20BCM064), towards the partial fulfillment of the requirements for the degree of B Tech in Computer Science Integrate MBA of Nirma University is the record of work carried out by him/her under my supervision and guidance. In my opinion, the submitted work has reached a level required for being accepted for examination.

His work is carried out under the ongoing research project funded by ISRO RESPOND Scheme titled as “Design and Development of a Scalable Framework for Geospatial/Geoscience Data Ingestion, Ad-hoc Queries and Analysis on Big Data Environment”.

Dr Jaiprakash Verma
Principal Investigator – OGP-207
Associate Professor
Department of Computer Science & Engg.,
Institute of Technology,
Nirma University,
Ahmedabad



Aug 11, 2021

Rishi Sharma

has successfully completed

The Bits and Bytes of Computer Networking

an online non-credit course authorized by Google and offered through Coursera

Google

Google

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/AGXY8VB56B92>

Coursera has confirmed the identity of this individual and their participation in the course.



Jul 26, 2021

Rishi Sharma

has successfully completed

Technical Support Fundamentals

an online non-credit course authorized by Google and offered through Coursera

Google

Google

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/T4NAD3ND8QYP>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 5, 2021

Rishi Sharma

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of Michigan and offered through Coursera



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/M48Z4TTZABJ2>

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Jul 21, 2021

Riya Gupta

has successfully completed

Usable Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jennifer Golbeck, Ph.D.
College of Information Studies
University of Maryland

COURSE
CERTIFICATE



Verify at coursera.org/verify/VW5VK6VEAWDK
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 1, 2021

Riya Gupta

has successfully completed

Software Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Professor Michael Hicks
Department of Computer Science
and the Maryland Cybersecurity Center (MC²)
University of Maryland, College Park

COURSE CERTIFICATE



Verify at coursera.org/verify/NTUJSSKLQEFZ

Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 10, 2021

Riya Gupta

has successfully completed

Cryptography

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Jonathan Katz, PhD
Professor
Department of Computer Science
University of Maryland

COURSE
CERTIFICATE



Verify at coursera.org/verify/2UZRCVLGG7X
Coursera has confirmed the identity of this individual and their participation in the course.



UNIVERSITY OF MARYLAND

Aug 12, 2021

Riya Gupta

has successfully completed

Hardware Security

an online non-credit course authorized by University of Maryland, College Park and offered through Coursera

Gang Qu, Professor
Director, Maryland Embedded Systems and Hardware Security Lab
Electrical and Computer Engineering Department
University of Maryland, College Park

COURSE CERTIFICATE



Verify at coursera.org/verify/P6DP28U3TPTB
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 12, 2021

Riya Gupta

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/QAQDYMGCV9K9
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 15, 2021

Riya Gupta

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/8HT5687A6JLE
Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-922acd1d-7f94-4528-be46-9840cd28f21d

Certificate url: ude.my/UC-922acd1d-7f94-4528-be46-9840cd28f21d

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Riya Jain

Date **Aug. 11, 2021**

Length **55 total hours**

UCDAVIS

Aug 7, 2021

Rohan Lokesh Verma

has successfully completed

Introduction to Web Development

an online non-credit course authorized by University of California, Davis and offered through Coursera



Daniel Randall
Web Development Instructor
UC Davis Division of Continuing and Professional Education

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/C4L3LQ8UEFBU
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 6, 2021

Rohan Lokesh Verma

has successfully completed

Foundations of User Experience (UX) Design

an online non-credit course authorized by Google and offered through Coursera



Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/LDKZ8XNJKMGJ
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 12, 2021

Rohan Lokesh Verma

has successfully completed

**Start the UX Design Process: Empathize, Define,
and Ideate**

an online non-credit course authorized by Google and offered through Coursera



Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/5UEU9A8P9MLX
Coursera has confirmed the identity of this individual and their
participation in the course.



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

Jul 12, 2021

Rohan Lokesh Verma

has successfully completed

Introduction to C# Programming and Unity

an online non-credit course authorized by University of Colorado System and offered through Coursera

A handwritten signature in black ink, appearing to read 'TJ Chamillard'.

Tim "Dr. T" Chamillard
Associate Professor of Computer Science
Program Director, Bachelor of Innovation(TM) in Game Design and Development
University of Colorado Colorado Springs

COURSE
CERTIFICATE



Verify at coursera.org/verify/DQB8XPHQG5U5
Coursera has confirmed the identity of this individual and their participation in the course.



5 Courses

Java for Android

Android App Components -
Intents, Activities, and
Broadcast Receivers

Android App Components -
Services, Local IPC, and
Content Providers

Engineering Maintainable
Android Apps

Capstone MOOC for
"Android App Development"



Aug 31, 2021

ROHIN JAIN

has successfully completed the online, non-credit Specialization

Android App Development

This Specialization enables learners to successfully apply core Java programming languages features & software patterns needed to develop maintainable mobile apps comprised of core Android components, as well as fundamental Java I/O & persistence mechanisms. Learners who successfully complete this Specialization will be well-prepared to master the more advanced material in the subsequent "Mobile Cloud Computing with Android" Specialization. The Capstone project will integrate the material from the Specialization to exercise and assess the ability of learners to create an interesting Android app by applying knowledge and skills learned in previous MOOCs.

Dr. Douglas C. Schmidt,
Professor, Dr. C. Jules
White, Assistant
Professor, Dr. Jerry
Roth, Associate
Professor of Practice,
Dr. Julie Johnson,
Assistant Professor of
Practice, Mr. Michael
Walker, Instructor,
Computer Science

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/QP8PQS9WT544



EXPERIENCE LETTER

Dear Sajal Tyagi,

You were part of our team as a **Web Development Intern** for **MADOVERBIKING**, from **7th July 2021** until **15th Aug, 2021**.

I wish you all the best in your journey.

Sincerely,

A handwritten signature in black ink, appearing to read "Rahul Garg".

Rahul Garg
Founder

M UNIVERSITY OF MICHIGAN

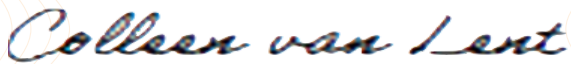
Aug 3, 2021

Saksham Pokharna

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/XZUGYGC76JGU>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Jul 31, 2021

Saksham Pokharna

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera

Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/D62DPXAUVUSS>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

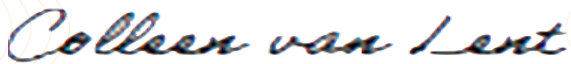
Aug 7, 2021

Saksham Pokharna

has successfully completed

Interactivity with JavaScript

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/9X3HKFLA44SS>

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

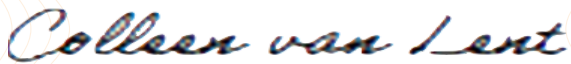
Aug 12, 2021

Saksham Pokharna

has successfully completed

Advanced Styling with Responsive Design

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/LDGC3H6P9E8>

Coursera has confirmed the identity of this individual and their participation in the course.



NYU

**TANDON SCHOOL
OF ENGINEERING**

Aug 13, 2021

Saksham Pokharna

has successfully completed

Introduction to Cyber Attacks

an online non-credit course authorized by New York University and offered through
Coursera

Dr. Edward G. Amoroso
Research Professor, NYU and CEO, TAG Cyber LLC
Computer Science

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/VY7FHD94AHR>

Coursera has confirmed the identity of this individual and their
participation in the course.



NYU

**TANDON SCHOOL
OF ENGINEERING**

Aug 13, 2021

Saksham Pokharna

has successfully completed

Cyber Attack Countermeasures

an online non-credit course authorized by New York University and offered through
Coursera

Edward G. Amoroso

Dr. Edward G. Amoroso
Research Professor, NYU and CEO, TAG Cyber LLC
Computer Science

**COURSE
CERTIFICATE**



Verify at:

<https://coursera.org/verify/654SJFZVLXSC>

Coursera has confirmed the identity of this individual and their
participation in the course.



Aug 24, 2021

Sakshi Jain

has successfully completed

Introduction to R Programming for Data Science

an online non-credit course authorized by IBM and offered through Coursera

Yan Luo

Yan Luo
Ph.D., Data Scientist and Developer

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/S682ARTKHJ6M
Coursera has confirmed the identity of this individual and their
participation in the course.



3 Courses

Introduction to Data Analytics

Excel Basics for Data Analysis

Data Visualization and Dashboards with Excel and Cognos



Aug 16, 2021

Sakshi Jain

has successfully completed the online, non-credit Specialization

Data Analysis and Visualization Foundations

Earners of this certificate understand the core principles of data analysis and visualization. They can explain the modern data ecosystem, and are familiar with using some of the tools and technologies in this ecosystem. They have demonstrated hands-on experience working with spreadsheets like Excel, loading different data sets, and employing techniques like summarization, sorting, filtering, and creating pivot tables. Learners completing this specialization can utilize Excel spreadsheets to create the many different types of data visualizations such as line plots, bar charts, pie charts, and describe when to use them. They have also created advanced visualizations such as treemaps, scatter charts, histograms, and map charts, and built interactive dashboards using IBM Cognos Analytics.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Rav Ahuja
Global Program
Director,
Skills Network

Sandip Saha Joy
Data Scientist
IBM

Steve Ryan
Instructional Designer &
Content Developer
Skill-Up Technologies

Kevin McFaul

Verify this certificate at:
coursera.org/verify/specialization/AK9VQYMAVC94

M UNIVERSITY OF MICHIGAN

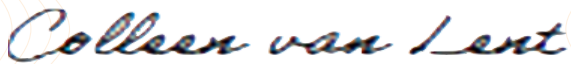
Aug 13, 2021

Saurabh Mirchandani

has successfully completed

Introduction to HTML5

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/GJCT38LUS4ZE
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

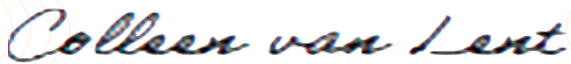
Aug 14, 2021

Saurabh Mirchandani

has successfully completed

Introduction to CSS3

an online non-credit course authorized by University of Michigan and offered through Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/E2972AGG5C3Z
Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

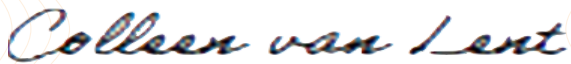
Aug 14, 2021

Saurabh Mirchandani

has successfully completed

Interactivity with JavaScript

an online non-credit course authorized by University of Michigan and offered through
Coursera



Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/AWR9D4RPZXKF
Coursera has confirmed the identity of this individual and their
participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 14, 2021

Saurabh Mirchandani

has successfully completed

Advanced Styling with Responsive Design

an online non-credit course authorized by University of Michigan and offered through Coursera

COURSE
CERTIFICATE



Colleen van Lent

Colleen van Lent, Ph.D.
Lecturer
School of Information, University of Michigan

Charles Severance

Charles Severance
Clinical Professor, School of Information
University of Michigan

Verify at coursera.org/verify/XZMBKBG543J2
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 14, 2021

Saurabh Mirchandani

has successfully completed

Foundations of User Experience (UX) Design

an online non-credit course authorized by Google and offered through Coursera



Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/MXNNWPYHQ6E

Coursera has confirmed the identity of this individual and their participation in the course.



NYU

**TANDON SCHOOL
OF ENGINEERING**

**COURSE
CERTIFICATE**

Aug 15, 2021

Saurabh Mirchandani

has successfully completed

Introduction to Cyber Attacks

an online non-credit course authorized by New York University and offered through
Coursera

Edward G. Amoroso

Dr. Edward G. Amoroso
Research Professor, NYU and CEO, TAG Cyber LLC
Computer Science



Verify at coursera.org/verify/W4663LPA3LCL
Coursera has confirmed the identity of this individual and their
participation in the course.



Aug 26, 2021

Shagun Shrivastava

has successfully completed

Crash Course on Python

an online non-credit course authorized by Google and offered through Coursera

Google

Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/JUFWLWC9CVJF
Coursera has confirmed the identity of this individual and their participation in the course.



JOHNS HOPKINS
UNIVERSITY

Aug 26, 2021

Shagun Shrivastava

has successfully completed

HTML, CSS, and Javascript for Web Developers

an online non-credit course authorized by Johns Hopkins University and offered through
Coursera

Yaakov C.

Yaakov Chaikin
Adjunct Professor, Graduate Computer Science
Whiting School of Engineering
Johns Hopkins University

COURSE
CERTIFICATE



Verify at coursera.org/verify/66EQCLY7FNWK

Coursera has confirmed the identity of this individual and their
participation in the course.

This certificate does not affirm that this learner was enrolled as a student at Johns Hopkins University. It does not confer a JHU grade, course credit or degree; establish a relationship between this learner and JHU; enroll or register this learner at JHU or in any course offered by JHU; or entitle this learner to access or use resources beyond the online courses provided by Coursera.



Aug 2, 2021

Shriya Ballal

has successfully completed

What is Data Science?

an online non-credit course authorized by IBM and offered through Coursera

**COURSE
CERTIFICATE**



Rav Ahuja
Global Program Director,
Skills Network

Alex Akson, Ph.D.
Data Scientist

Verify at coursera.org/verify/RK3PKFK8KD5D
Coursera has confirmed the identity of this individual and their
participation in the course.



Aug 5, 2021

Shriya Ballal

has successfully completed

Tools for Data Science

an online non-credit course authorized by IBM and offered through Coursera

Maureen McElaney
Romeo Kienzler
Svetlana Levitan

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/4M6SKQV85QV5
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 5, 2021

Shriya Ballal

has successfully completed

Data Science Methodology

an online non-credit course authorized by IBM and offered through Coursera

**COURSE
CERTIFICATE**



Alex Akson, Ph.D.
Data Scientist

Polong Lin
Data Scientist, IBM

Verify at coursera.org/verify/8XYE35Q7XGJG
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 5, 2021

Shriya Ballal

has successfully completed

Databases and SQL for Data Science with Python

an online non-credit course authorized by IBM and offered through Coursera

Rav Ahuja
Global Program Director,
Skills Network

Hima Vasudevan
IBM

COURSE CERTIFICATE



Verify at coursera.org/verify/AAJRUEAU223B
Coursera has confirmed the identity of this individual and their
participation in the course.



4 Courses

What is Data Science?

Tools for Data Science

Data Science Methodology

Databases and SQL for Data Science with Python



Aug 5, 2021

Shriya Ballal

has successfully completed the online, non-credit Specialization

Introduction to Data Science

In this Specialization learners developed foundational Data Science skills to prepare them for a career or further learning that involves more advanced topics in Data Science. The specialization entailed understanding what is Data Science is and the various kinds of activities that a Data Scientist's perform. It familiarized learners with various open source tools, like Jupyter notebooks, used by Data Scientists. It taught them about methodology involved in tackling data science problems. The specialization also provided knowledge of relational database concepts and the use of SQL to query databases. Learners completed hands-on labs and projects to apply their newly acquired skills and knowledge.

Rav Ahuja
AI & Data Science
Program Director
IBM Skills Network

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

Verify this certificate at:
coursera.org/verify/specialization/Y5SGRJJEY66KU



Aug 8, 2021

Shriya Ballal

has successfully completed

AWS Cloud Technical Essentials

an online non-credit course authorized by Amazon Web Services and offered through Coursera

Alana Layton
Senior Cloud Technologist
AWS Training and Certification

Morgan Willis
Senior Cloud Technologist
AWS Training and Certification

COURSE CERTIFICATE



Verify at coursera.org/verify/RJHAHHWXY2M5
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 14, 2021

Ballal Shriya

has successfully completed

The Bits and Bytes of Computer Networking

an online non-credit course authorized by Google and offered through Coursera

Google

Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/F9VBCXRC76X9

Coursera has confirmed the identity of this individual and their participation in the course.

M UNIVERSITY OF MICHIGAN

Aug 16, 2021

Siddharth Charaya

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of Michigan and offered through Coursera



Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at:
<https://coursera.org/verify/R4AAZFPFEP3F>

Coursera has confirmed the identity of this individual and their participation in the course.

CERTIFICATE OF APRECIATION



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Mr. Swayam Raval

who has done his internship in Market Research and Web Designing
at The Brand Folks, India from 19th July 2021 to 15th August 2021.

During his internship, he has demonstrated his skills with self-motivation to learn new skills. His performance was as per our expectations and it was amazing to have him on the team.

We wish him all the best for his future endeavors.

JAGRAT JHAMB
FOUNDER



Jul 21, 2021

TANVI VYAS

has successfully completed

Technical Support Fundamentals

an online non-credit course authorized by Google and offered through Coursera

Google

Google

**COURSE
CERTIFICATE**



Verify at:
<https://coursera.org/verify/ZTRQJF5S8UVR>

Coursera has confirmed the identity of this individual and their participation in the course.



NYU

**TANDON SCHOOL
OF ENGINEERING**

**COURSE
CERTIFICATE**

Jul 28, 2021

TANVI VYAS

has successfully completed

Introduction to Cyber Attacks

an online non-credit course authorized by New York University and offered through
Coursera

Dr. Edward G. Amoroso
Research Professor, NYU and CEO, TAG Cyber LLC
Computer Science



Verify at coursera.org/verify/P4G5NHVCHJCS
Coursera has confirmed the identity of this individual and their
participation in the course.



Aug 2, 2021

TANVI VYAS

has successfully completed

The Bits and Bytes of Computer Networking

an online non-credit course authorized by Google and offered through Coursera

Google

Google

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/485V5BJJ876N

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate of Achievement

tarun karthik

has completed the following course:

**DIGITAL SKILLS: ARTIFICIAL INTELLIGENCE
ACCENTURE**

This online course helped discover the potential of Artificial Intelligence (AI) and how it can change the workplace. It enhanced understanding of AI with interesting facts, trends, and insights, and helped to explore the working relationship between humans and AI.

3 weeks, 2 hours per week



Camilla Drejer
Director
UKI Corporate Citizenship



In association with



The person named on this certificate has completed the activities in the attached transcript. For more information about Certificates of Achievement and the effort required to become eligible, visit futurelearn.com/proof-of-learning/certificate-of-achievement.




This certificate represents proof of learning. It is not a formal qualification, degree, or part of a degree.



tarun karthik

has completed the following course:

DIGITAL SKILLS: ARTIFICIAL INTELLIGENCE ACCENTURE



87%
OVERALL
SCORE

This online course helped discover the potential of Artificial Intelligence (AI) and how it can change the workplace. It enhanced understanding of AI with interesting facts, trends, and insights, and helped to explore the working relationship between humans and AI.

STUDY REQUIREMENT

3 weeks, 2 hours per week

LEARNING OUTCOMES

- Describe the origins and advent of AI
- Explain the relationship between AI and Automation
- Reflect on the application of AI to your own context
- Identify key shifts in the workplace influenced by AI
- Assess the impact shifts in the workplace may have on roles and responsibilities
- Identify how the relationship has changed between AI and humans
- Identify future skills required to work and interact with AI
- Produce an action plan to adapt your skills for the future

SYLLABUS

Week 1: Introduction to Artificial Intelligence

- What is Artificial Intelligence and where did it come from?
- AI in Action
- What does this mean for me?

Week 2: Artificial Intelligence in Industry

- Impact of AI on Individuals
- What does this mean for me?

Week 3: Adapting your skills to work with Artificial Intelligence

- How has the relationship changed between AI and Humans?
- Imagining the Future



VANDERBILT UNIVERSITY

Aug 17, 2021

TIRTH SANJAYKUMAR SHAH

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through
Coursera

Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE
CERTIFICATE



Verify at:

<https://coursera.org/verify/S HQ9MM55AKZ7>

Coursera has confirmed the identity of this individual and their participation in the course.

[Data Analysis and Presentation Skills: the PwC Approach Specialization](#)



Course | PwC

Problem Solving with Excel



41%

Overall Progress

[Foundations of Positive Psychology Specialization](#)



Course | University of Pennsylvania

Positive Psychology: Martin E. P. Seligman's Visionary Science



94%

Overall Progress



14th August 2021

To whomsoever it may concern

This is to certify that **Mr. Utsav Khandelwal**, studying in Integrated B.Tech. - CSE MBA at CSE Department of Institute of Technology - Nirma University, has taken up a Summer Internship on "Web Development and Testing" and has successfully completed the internship within the specified time exceeding our expectations.

His conduct and outlook towards learning and adopting skills is appreciable.

During the period of her/ his internship program with us, she/ he had been exposed to different processes and was found diligent, hardworking and inquisitive.

The tenure of the Internship was from 8th July 2021 to 14th August 2021.

We wish Utsav all the best in all his future endeavours.

With BEST WISHES for your future.



**Director and Training Head
CDN Software Solution Pvt. Ltd.**



Certificate no: UC-4bba57db-d944-4c38-adda-775b0132a9f5

Certificate url: ude.my/UC-4bba57db-d944-4c38-adda-775b0132a9f5

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Web Developer Bootcamp 2021

Instructors **Colt Steele**

Vaibhavi Patel

Date **Aug. 11, 2021**

Length **63 total hours**

भारत सरकार
अंतरिक्ष विभाग
अंतरिक्ष उपयोग केन्द्र
आंबावाडी विस्तार डाक घर,
अहमदाबाद-380 015. (भारत)
दूरभाष : +91-79-26913050, 26913060
वेबसाईट : www.sac.isro.gov.in/www.sac.gov.in



Government of India
Department of Space
SPACE APPLICATIONS CENTRE
Ambawadi Vistar P.O.
Ahmedabad - 380 015. (INDIA)
Telephone : +91-79-26913050, 26913060
website : www.sac.isro.gov.in/www.sac.gov.in

Scientific Research and Training Division (SRTD)
Research, Outreach and Training Coordination Group (RTCG)
Management and Information Systems Area (MISA)

CERTIFICATE

This is to certify that **Mr. Vishwam Rakesh Bhavsar**, a student of B. Tech (Computer Engineering) of NIRMA University, Ahmedabad, Gujarat has completed a ten-week (03 April-2023 to 12 June-2023) project on "**Exploring Machine Learning Techniques to detect changes in SAR datasets**" under the supervision of Sri. Devang M. Mankad, Sci/Engr-SG, SIPA-MDPD, Space Applications Centre (ISRO), Ahmedabad. The research work was carried out through Scientific Research and Training Division (SRTD) of Space Applications Centre, Ahmedabad.


डा. सर्वेश्वर व्यास / Dr. S P Vyas
प्रधान, वैज्ञानिक अनुसन्धान एवं प्रशिक्षण प्रभाग
Head, Scientific Research and Training Division
एसआरटीडी-आरटीसीजी-मिसा / SRTD-RTCG-MISA
अंतरिक्ष उपयोग केन्द्र (इसरो)
Space Applications Centre (ISRO)
अंतरिक्ष विभाग / Department of Space
भारत सरकार / Government of India
अहमदाबाद / Ahmedabad - 380015



Certificate no: UC-6fd693a9-7a0e-4905-90ab-36f2fea02aab

Certificate url: ude.my/UC-6fd693a9-7a0e-4905-90ab-36f2fea02aab

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete Networking Fundamentals Course. Your CCNA start

Instructors **David Bombal**

Gauswami Vivekgiri Dipeshgiri

Date **Aug. 13, 2021**

Length **80 total hours**



Dated: 11/8/2021

TO WHOSOEVER IT MAY CONCERN

This is to certify that **Mr. Yash Parikh**, a student of 1st year from Department of Computer Science, Nirma University, has successfully completed his internship from 19th July 2021 to 7th August 2021 at our Organization.

During the period of his internship Program with us, he was found to be punctual, intelligent, hard-working and inquisitive.

We wish him every success in professional life.

Hiral Patel
CHRO
Garima system solutions pvt.ltd.

22 Jul, 2021

Yash Natani

has successfully completed

Java for Android

an online non-credit course authorized by Vanderbilt University and offered through Coursera



Jerry Roth, Associate Professor of the Practice, Electrical Engineering and Computer Science

Julie L. Johnson, Assistant Professor of the Practice, Electrical Engineering and Computer Science

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

COURSE CERTIFICATE



Verify at coursera.org/verify/K7TC9S75FD7P
Coursera has confirmed the identity of this individual and their participation in the course.

8 Aug, 2021

Yash Natani

has successfully completed

Android App Components - Intents, Activities, and Broadcast Receivers

an online non-credit course authorized by Vanderbilt University and offered through Coursera

Douglas C. Schmidt Michael U. Walker Jules White

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University

Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science

Dr. Jules White, Assistant Professor, Department of Electrical Engineering and Computer Science, Vanderbilt University

COURSE
CERTIFICATE



Verify at coursera.org/verify/FLEMEKRZMNSL
Coursera has confirmed the identity of this individual and their participation in the course.

11 Aug, 2021

Yash Natani

has successfully completed

**Android App Components - Services, Local IPC, and
Content Providers**

an online non-credit course authorized by Vanderbilt University and offered through
Coursera



Dr. Douglas C. Schmidt
Professor of Computer Science
Vanderbilt University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/95JSNZVK5FV8
Coursera has confirmed the identity of this individual and their
participation in the course.

14 Aug, 2021

Yash Natani

has successfully completed

Engineering Maintainable Android Apps

an online non-credit course authorized by Vanderbilt University and offered through
Coursera

Douglas C. Schmidt Michael U. Walker Jules White

Dr. Douglas C. Schmidt, Professor of Computer Science, Vanderbilt University
Michael Walker, Graduate Research Assistant, Electrical Engineering and Computer Science
Dr. Jules White, Assistant Professor, Department of Electrical Engineering and Computer Science, Vanderbilt University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/59MTCHQ3YXAA

Coursera has confirmed the identity of this individual and their participation in the course.



Certificate no: UC-d1018949-201e-4176-ad34-36422022d7c3

Certificate url: ude.my/UC-d1018949-201e-4176-ad34-36422022d7c3

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete 2021 Web Development Bootcamp

Instructors **Dr. Angela Yu**

Yug Khatri

Date **Aug. 14, 2021**

Length **55 total hours**



Certificate no: UC-1a0335e2-600c-47ac-af3e-e2edf2dbf7bf

Certificate url: ude.my/UC-1a0335e2-600c-47ac-af3e-e2edf2dbf7bf

Reference Number: 0004

CERTIFICATE OF COMPLETION

The Complete Networking Fundamentals Course. Your CCNA start

Instructors **David Bombal**

Zeel Kadvani

Date **Aug. 10, 2021**

Length **80 total hours**



CERTIFICATE OF COMPLETION

Presented to

Ujjwal Somani

For successfully completing a free online course
AI in Digital Marketing

Provided by

Great Learning Academy