



Apr 18, 2021

Adarsh Singh

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/WZ82KD28AR7Ks

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



Certificate no: UC-18cb159b-adb4-49bd-bf57-5bfb673471e4

Certificate url: ude.my/UC-18cb159b-adb4-49bd-bf57-5bfb673471e4

Reference Number: 0004

CERTIFICATE OF COMPLETION

Complete JAVASCRIPT with HTML5,CSS3 from zero to Expert-2021

Instructors **Hemanth kumar**

Adarsh Singh

Date **July 28, 2021**

Length **17 total hours**



Aug 20, 2021

Agrim

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/XUTZMAA2BMZS

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



26/10/2020

Aham Kumar

has successfully completed

Programming Fundamentals

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

A handwritten signature in black ink, reading "Andrew D. Hilton".

Andrew D. Hilton | Genevieve M. Lipp | Anne Bracy
Assistant Professor of the Practice | Adjunct Professor | Senior Lecturer
Electrical and Computer Engineering | Electrical and Computer Engineering | Computer Science, Cornell University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/5DE48RWQ4TE2
Coursera has confirmed the identity of this individual and
their participation in the course.



Apr 14, 2021

AJEET KUMAR YADAV

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/8PSRL2VJPHP5

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



Feb 3, 2021

Aman Singh

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/X9WGG9UAY7B2

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



Apr 13, 2021

Anand Adya Prasad Shukla

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A blue ink signature of Andrew Ng.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/757RGUJBMZJY

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



Aug 27, 2020

Anurag Kumar Chaturvedi

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of California San Diego and HSE University and offered through Coursera

The image shows four handwritten signatures in black ink, stacked vertically. The signatures are of Alexander S. Kulikov, Michael Levin, Neil Rhodes, and Daniel M. Kane.

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M. Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

COURSE
CERTIFICATE



Verify at coursera.org/verify/R5C7BBLFB9RT

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



GeeksforGeeks

CERTIFICATE

OF COURSE COMPLETION

THIS IS TO CERTIFY THAT

Aviral

has successfully completed the course on "HTML Workshop" of duration 8 weeks.

Sandeep Jain

Mr. Sandeep Jain

Founder & CEO, GeeksforGeeks

www.geeksforgeeks.org

<https://media.geeksforgeeks.org/courses/certificates/2c3452c1f3781c010ad6472104b40156.pdf>



14/12/2020

Charanjeev Singh

has successfully completed

Programming Fundamentals

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

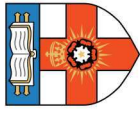
A handwritten signature in black ink, reading "Andrew D. Hilton".

Andrew D. Hilton | Genevieve M. Lipp | Anne Bracy
Assistant Professor of the Practice | Adjunct Professor | Senior Lecturer
Electrical and Computer Engineering | Electrical and Computer Engineering | Computer Science, Cornell University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/RDC48RRQ3TEi
Coursera has confirmed the identity of this individual and
their participation in the course.



UNIVERSITY
OF LONDON

Feb 3, 2021

Dev Kumar Anand

has successfully completed

Introduction to Virtual Reality

an online non-credit course authorized by University of London, Goldsmiths, University of London and offered through Coursera

Dr Sylvia Xueni Pan
Lecturer, Department of Computing
Goldsmiths, University of London

Dr Marco Gillies
Computing Department,
Goldsmiths, University of London

COURSE
CERTIFICATE



Verify at coursera.org/verify/BUJZWEW669PE
Coursera has confirmed the identity of this individual and their participation in the course.



Aug 27, 2020

Dewansh Kanwar

has successfully completed

Programming for Everybody (Getting Started with Python)

an online non-credit course authorized by University of California San Diego and HSE University and offered through Coursera

A handwritten signature in black ink, which appears to read "Daniel M Kane".

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

COURSE
CERTIFICATE



Verify at coursera.org/verify/R5C7BBLFB9RT

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



Apr 16, 2021

Gagandeep Singh

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/WZ82KD28AR7Ks

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



07/03/2020

Gaurav Chaudhary

has successfully completed

Algorithmic Toolbox

an online non-credit course authorized by University of California San Diego and National Research University Higher School of Economics and offered through Coursera

A series of handwritten signatures in black ink, including names like Alexander S. Kulikov, Michael Levin, Neil Rhodes, Pavel A. Pevzner, Ronald R. Taylor, and Daniel M. Kane.

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Pavel A. Pevzner, Ronald R. Taylor Distinguished Professor of Computer Science, Director, NIH Center for Computational Mass Spectrometry; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

COURSE CERTIFICATE



Verify at coursera.org/verify/AP82R72YWF57

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



GeeksforGeeks

CERTIFICATE

OF COURSE COMPLETION

THIS IS TO CERTIFY THAT

Gaurav Kaumar

has successfully completed the course on "HTML Workshop" of duration 8 weeks.

Sandeep Jain

Mr. Sandeep Jain

Founder & CEO, GeeksforGeeks

www.geeksforgeeks.org

<https://media.geeksforgeeks.org/courses/certificates/24518738e71fb711f3df1514ea166af4.pdf>



4 Courses

Introduction to Cybersecurity
Tools & Cyber Attacks

Cybersecurity Roles, Processes
& Operating System Security

Cybersecurity Compliance
Framework & System
Administration

Network Security & Database
Vulnerabilities



08/02/2020

Glimpse Salwan

has successfully completed the online, non-credit Specialization

IT Fundamentals for Cybersecurity

This specialization provided the learner with knowledge of cybersecurity concepts, tools and processes; compliance frameworks; system administration, operating system and database vulnerabilities basics; types of cyber attacks; and basic networking. The learner also gained knowledge around important cybersecurity topics such as cryptography and digital forensics. The learner's knowledge was tested through multiple assessments throughout the courses within this specialization.

Coreen Ryskamp

Coreen Ryskamp
Program Manager
IBM Security Learning
Services

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/WSVMGPLLL9LN



Apr 20, 2021

Gursewak singh

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/QQLR7GB55NTX

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



Vishal K Sharma

is here by awarded the certificate of achievement for
the successful completion of

Python

A handwritten signature in black ink, followed by a circular blue stamp containing the GUVI logo and the text 'GUVI' and 'GEETANJALI NETWORK PVT. LTD.'.

S.P.Balamurugan

Co-founder, CEO

Certificate issued on: April 20 2021

Verified certificate ID: v1872u38Z916gNJF0Y

Verify certificate at: www.guvi.in/certificate?id=v1872u38Z916gNJF0Y



Sep 9, 2021

Himanshu Sharma

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A blue ink signature of Andrew Ng.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/V7AR5S8Q2FTZ

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



06/07/2020

Kajal

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Chad', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/BW7gKWT653QB
Coursera has confirmed the identity of this individual and
their participation in the course.



Sep 06, 2020

Neha Tyagi

has successfully completed

Python Basics

an online non-credit course authorized by University of California San Diego and HSE University and offered through Coursera

A handwritten signature in black ink, which appears to read "Daniel M Kane".

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/RXC7BFLFB9N2

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



Apr 19, 2021

Nidhi

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/GR2C6AEYQHK2

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



Apr 21, 2021

Prince Kumar Singh

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A blue ink signature of Andrew Ng.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/DWRGBPXS44TY

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



GeeksforGeeks

CERTIFICATE

OF COURSE COMPLETION

THIS IS TO CERTIFY THAT

Prince Kumar Vishwakarma

has successfully completed the course on "HTML Workshop" of duration 8 weeks.

Sandeep Jain

Mr. Sandeep Jain

Founder & CEO, GeeksforGeeks

www.geeksforgeeks.org

<https://media.geeksforgeeks.org/courses/certificates/1217c3830326e61d8007288521554946.pdf>



Apr 20, 2021

Raghav Passi

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/WZ82KD28AR7Ks

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



Apr 21, 2021

Rahul

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A blue ink signature of Andrew Ng.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/Q86BYGTZUANF


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


CERTIFICATE OF COMPLETION



Rahul Dev

Successfully completed 6 weeks Course of
**Introduction to Python with
MySQL**


Harsh Vardhan
(Founder & CEO)


Dr. Neeraj Bhanot
(Course Moderator)

SYNAPTOCRATS





Sep 9, 2021

Rahul Kumar

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/DR692DTCBLMU

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



06/05/2020

Rohit Dhatwalia

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE CERTIFICATE



Verify at coursera.org/verify/9Q6L7GHJS5VY

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



Jul 27, 2020

Rohit kumar

has successfully completed

Data Structures

an online non-credit course authorized by University of California San Diego and HSE University and offered through Coursera

A handwritten signature in black ink, which appears to read "Daniel M Kane".

Alexander S. Kulikov, Visiting Professor; Michael Levin, Associate Professor; Neil Rhodes, Adjunct Faculty; Daniel M Kane, Assistant Professor, Computer Science and Engineering at the University of California, San Diego

COURSE
CERTIFICATE



Verify at coursera.org/verify/F4C7GBLWB9RT

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



26/10/2020

Sahil

has successfully completed

Programming Fundamentals

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

A handwritten signature in black ink, reading "Andrew D. Hilton".

Andrew D. Hilton | Genevieve M. Lipp | Anne Bracy
Assistant Professor of the Practice | Adjunct Professor | Senior Lecturer
Electrical and Computer Engineering | Electrical and Computer Engineering | Computer Science, Cornell University

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/5DE48RWQ4TE2
Coursera has confirmed the identity of this individual and
their participation in the course.



Apr 18, 2021

Sahil Kumar Sandhyal

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink, reading 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/DJWA4YLNLYXW

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



Certificate of Excellence



Sahil Rana

has successfully completed and been placed in top 15 percentile in

5-Week Data Science Foundation Bootcamp

The Bootcamp consisted of 200+ hours of coursework, 20 live sessions, and 3 capstone assignments on real-world datasets covering topics ranging from Basics of Data Science to Hyper-parameter Tuning, and Applied Machine Learning problem-solving. It was conducted in collaboration with domain experts from industry and academia, consisting of 15+ speakers and 50+ coaches worldwide.

Chanukya Patnaik
Co-founder, DPhi

Julián Darío Miranda-Calle
Lead Data Scientist, DPhi

Certificate issued on 25-07-2020

Certificate number - ZoYweJPmcA

Verification link - <https://dphi.tech/verify-certificate/>



GeeksforGeeks

CERTIFICATE

OF COURSE COMPLETION

THIS IS TO CERTIFY THAT

Shabnam Sharma

has successfully completed the course on "HTML Workshop" of duration 8 weeks.

Sandeep Jain

Mr. Sandeep Jain

Founder & CEO, GeeksforGeeks

www.geeksforgeeks.org

<https://media.geeksforgeeks.org/courses/certificates/b7c9545bacfd787bb5476a559a00ac04.pdf>

Then under your hand on this day
September 18, 2020



Certificate number : TO\HR\2M\2K20\56
ISO Certification No. : AQ26FB643

CERTIFICATE OF APPRECIATION

This is to certify that

SHIKHA THAKUR D/O RAVINDER THAKUR

STUDENT OF I.K GUJRAL PUNJAB TECHNICAL UNIVERSITY, MOHALI (CAMPUS-1), ENROLLMENT NO. 1917293

HAS SUCCESSFULLY UNDERGONE OUR SOFTWARE TRAINING PROGRAM IN

PYTHON

FROM AUGUST 01, 2020 TO SEPTEMBER 14, 2020. DURING THE TENURE OF THE ABOVE COURSE, WE FOUND HER
HARDWORKING AND INNOVATIVE. WE WISH HER A VERY BRIGHT & PROSPEROUS FUTURE.


HR Manager




Company Director

*For further query : www.techoptimum.in / hr@techoptimum.in / +91 0172-52-76663.

CERTIFICATE

SOLOLEARN

Issued 25 August, 2020

This is to certify that

Sidharth Mudgil

has successfully completed the

CSS Fundamentals course



Handwritten signature of Yeva Hyusyan in blue ink.

Yeva Hyusyan
Chief Executive Officer

Certificate #1023-17542866

CERTIFICATE

SOLOLEARN

Issued 29 March, 2020

This is to certify that

Sidharth Mudgil

has successfully completed the

Python 3 Tutorial course



Yeva Hyusyan
Chief Executive Officer

Certificate #1073-17542866

CERTIFICATE

SOLOLEARN

Issued 24 July, 2020

This is to certify that

Sidharth Mudgil

has successfully completed the

HTML Fundamentals course



Handwritten signature of Yeva Hyusyan in blue ink.

Yeva Hyusyan
Chief Executive Officer

Certificate #1014-17542866



Apr 24, 2021

Sinesh Kumar

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A blue ink signature of Andrew Ng.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

COURSE
CERTIFICATE



Verify at coursera.org/verify/WZ82KD28AR7K

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



LinkedIn LEARNING

Certificate of Completion

Congratulations, Sukhveer Singh

Learning Python

Course completed on Apr 19, 2021 at 08:51AM UTC • 2 hours 27 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.

A handwritten signature in black ink, reading "Dan Bodnar".

Head of Content Strategy, Learning

LinkedIn Learning
1000 W Maude Ave
Sunnyvale, CA 94085

Certificate Id: ATka5Mz902dyPa7_p2unZ3RqpYhl



Mercedes-Benz

Ref. No. : JA/MB/2021/03

Date: July 31, 2021

TO WHOM IT MAY CONCERN

This is to certify that Mr. Suryanshu Sharma S/o Mr. Suraj Sharma student of IKGPTU Mohali pursuing B.Tech in Computer Science of has successfully completed his one month summer Internship from 1st July'2021 till 31st July' 2021 at Joshi AutoZone Pvt. Ltd in digital marketing.

During the period with us he was punctual, hardworking and inquisitive.

We wish him all the best in his future endeavor.

With good wishes.


Kanupriya Vashist
HOD - HR
Joshi Autozone Pvt. Ltd.





Sep 9, 2021

Tarun Kumar Singh

has successfully completed

Programming for Everybody (Getting Started with Python)

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

A handwritten signature in black ink, appearing to read 'Charles', followed by a horizontal line.

Charles Severance
Clinical Professor, School of Information
University of Michigan

COURSE
CERTIFICATE



Verify at coursera.org/verify/42HKMG68Z3JE

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



TEENOVATE

visit: www.teenovate.co.in

Ref. no: TNVT/INT/2020-21/101

Date: August 31, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Tushar Tiwari**, student of **Second Year Computer Science Engineering** from **I.K.G Punjab Technical University, Mohali** has completed his internship during the period of **01.07.2020 to 28.08.2020**.

During the above period **Mr. Tushar Tiwari** has collected overall information about the functioning of **Web Development department**.

We wish him all success for his future endeavors.

Yours faithfully,
TEENOVATE ENTERPRISES

Dhruv A.
Manager - Human Resource



Apr 16, 2021

VIBHAV PANDEY

has successfully completed

AI For Everyone

an online non-credit course authorized by DeepLearning.AI and offered through Coursera

A handwritten signature in blue ink that reads 'Andrew Ng'.

Andrew Ng
Founder, DeepLearning.AI
Co-founder, Coursera

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/HLU252YQ333N

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

APT

EDUCATION SOCIETY

For Your Apt Knowledge

An ISO 9001-2008 Certified Institute

Registered by Govt. of Punjab Under Act XXI of 1860

CERTIFICATE OF TRAINING COMPLETION

This certifies that VIVEK SINGH s/o GURDEV SINGH has successfully completed the training in

SQL from 1st OCT 2020 to 16th NOV 2020.



Gulinder Kaur
Course Coordinator

[Signature]
APT Education Society (Regd.)
ISO 9001:2015 Certified Inst.
Near Gurudwara Dukhniwaran Sahib,
Jail Road, Patiala-Ph. 0175-5016607

Director

visit us at : www.apteducation.org.in