



RV College  
of  
Engineering

*Go, change the world*

# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

## **ABHISHEK PATTANSHETTI**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M. Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



RV College  
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Engineering

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# CERTIFICATE OF COMPLETION

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**ADITYA RAJMANI**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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Engineering**

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

**AMAY B DANDGALKAR**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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Engineering**

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

**ARUN R**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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Engineering**

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

## **GOPALAKRISHNA K**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

**MAHENDRA PS**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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Engineering

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

## **SANTOSH KALHALLI**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



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of  
Engineering**

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

**SHRISHAIL M**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE





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of  
Engineering

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

**SIDDU A PUJARI**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M. Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



RV College  
of  
Engineering

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# CERTIFICATE OF COMPLETION

IS HEREBY GRANTED TO

## **VIKRAMADITHYA**

TO CERTIFY THE COMPLETION OF Short term ONLINE TRAINING PROGRAM ON  
“AUTOMATION AND ROBOTICS IN INDUSTRY 4.0” 4.0”during 17<sup>th</sup> -21<sup>st</sup> August 2020

Dr. M.Krishna  
HOD, ME Dept  
RVCE

Dr. K N Subramanya  
Principal  
RVCE



**GUVI**  
tech deserves you

**VERIFIED** ✓

# CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT  
SOUMYA N AIHOLE  
HAS SUCCESSFULLY COMPLETED  
C PROGRAMMING

DATE: 30/03/2020

CERTIFICATE NUMBER: 5T2685IUXD79M571L6

\*THIS CERTIFICATE IS AUTO GENERATED



**S.P. BALAMURUGAN**  
CO-FOUNDER AND CEO

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CS72S41210005

To  
RUTU KIRAN  
NO. 6, TRINETRA, 1ST CROSS  
GANAPATHI NAGAR, PEENYA POST  
BANGALORE  
KARNATAKA - 560058  
PH. NO :9482119774

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

**Elite**

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**RUTU KIRAN**

for successfully completing the course



**Data Science for Engineers**

with a consolidated score of **85** %

Online Assignments	24.29/25	Proctored Exam	60.21/75
--------------------	----------	----------------	----------

*Devendra Jalihal*

Total number of candidates certified in this course: 2043

Prof. Devendra Jalihal  
Chairman

Centre for Continuing Education, IITM

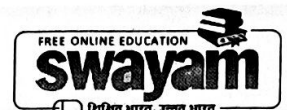
Sep-Nov 2020  
(8 week course)

*Prof. Andrew Thangaraj*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras





DARDEN SCHOOL  
of BUSINESS

COURSE  
CERTIFICATE

Jul 27, 2020

**Shivesh Shrawan**

has successfully completed

**Design Thinking for Innovation**

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



Jeanne M. Liedtka  
United Technologies Corporation Professor of Business Administration  
Darden School of Business  
University of Virginia

Verify at:  
<https://coursera.org/verify/9GCC6MZAUT5Q>

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

# Yale

Jun 21, 2020

## AKANKSH RAMESH MUNIYAPPA

has successfully completed with honors

### Financial Markets

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



Robert J Shiller  
Sterling Professor of Economics  
Yale University

## COURSE CERTIFICATE

WITH HONORS



Verify at:  
<https://coursera.org/verify/PNCXGK3ET4NQ>

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



University of Colorado

Boulder | Colorado Springs | Denver | Anschutz Medical Campus

05/03/2020

**SOUMYA N AIHOLE**

has successfully completed

**Graphic Design**

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

David Underwood  
Design and Media Teaching Consultant  
PhET Interactive Simulations  
Department of Physics

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/YW55YCNAS5NY](https://coursera.org/verify/YW55YCNAS5NY)

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

**UCI** University of  
California, Irvine

07/23/2020

**SOUMYA N AIHOLE**

has successfully completed

**Interfacing with the Arduino**

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



Ian Harris  
Professor  
Department of Computer Science

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/28EARRTH7Z4A](https://coursera.org/verify/28EARRTH7Z4A)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



**Duke**  
UNIVERSITY

08/02/2020

**Hariharan S**

has successfully completed

**Introduction to Machine Learning**

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

*Genevieve M. Lipp*  
*David Carlson*  
*Lawrence Carin*

Genevieve M. Lipp  
David Carlson  
Lawrence Carin

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/JT264PHNJV5Z](https://coursera.org/verify/JT264PHNJV5Z)  
Coursera has confirmed the identity of this individual and  
their participation in the course.

**Duke**  
UNIVERSITY

26.09.2020

**SOUMYA N AIHOLE**

has successfully completed

**Introduction to Machine Learning**

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

*Genevieve M. Lipp  
David Carlson  
Lawrence Carin*

Genevieve M. Lipp  
David Carlson  
Lawrence Carin

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/EZ5QFCL7E3LQ](https://coursera.org/verify/EZ5QFCL7E3LQ)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



06/28/2020

**Aditya N**

has successfully completed

**Neural Networks and Deep Learning**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in black ink, appearing to read "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/DLS2LPE3Q574](https://coursera.org/verify/DLS2LPE3Q574)

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



Sep 3, 2020

**Subhajt Adhikary**

has successfully completed

**Neural Networks and Deep Learning**

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

A handwritten signature in black ink, appearing to read "Andrew Ng".

Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera  
Kian Katanforoosh, Co-founder, Workera  
Younes Bensouda Mourri, Instructor of AI, Stanford University

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/BCZ8XUHU3HMG>

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



Oct 27, 2020

**AKANKSH RAMESH MUNIYAPPA**

has successfully completed

**Neural Networks and Deep Learning**

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

A handwritten signature in black ink, appearing to read "Andrew Ng".

Andrew Ng, Founder, DeepLearning.AI & Co-founder, Coursera  
Kian Katanforoosh, Co-founder, Workera  
Younes Bensouda Mourri, Instructor of AI, Stanford University

COURSE  
CERTIFICATE



Verify at:

<https://coursera.org/verify/8Z7YM6K6ZE3W>

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

This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20CS70S31210245

To  
RUTU KIRAN  
NO. 6, TRINETRA, 1ST CROSS  
GANAPATHI NAGAR, PEENYA POST  
BANGALORE  
KARNATAKA - 560058  
PH. NO :9482119774



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:2

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**RUTU KIRAN**

for successfully completing the course

**Programming, Data Structures and Algorithms  
using Python**

with a consolidated score of **86** %

Online Assignments	25/25	Programming Exam	25/25	Proctored Exam	36.25/50
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Total number of candidates certified in this course: 1579

*Devendra Jalihal*

Prof. Devendra Jalihal  
Chairman  
Centre for Continuing Education, IITM

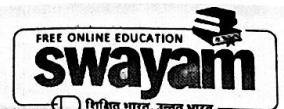
Sep-Nov 2020  
(8 week course)

*Prof. Andrew Thangaraj*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras





05/17/2020

**SIMRAN**

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', with a long horizontal line extending to the right.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/R2TAU634PRXY](https://coursera.org/verify/R2TAU634PRXY)

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

# **M** UNIVERSITY OF MICHIGAN

Jul 24, 2020

**Apurva D Bhargava**

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

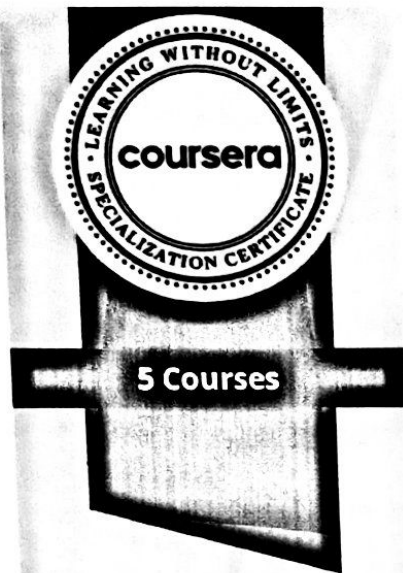
**COURSE  
CERTIFICATE**



Verify at:  
<https://coursera.org/verify/4VGDZ35WVKBC>

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





Sep 20, 2020

## AKANKSH RAMESH MUNIYAPPA

has successfully completed the online, non-credit Specialization

# Python 3 Programming

This specialization teaches the fundamentals of programming in Python 3. We will begin at the beginning, with variables, conditionals, and loops, and get to some intermediate material like keyword parameters, list comprehensions, lambda expressions, and class inheritance. You will have lots of opportunities to practice. You will also learn ways to reason about program execution, so that it is no longer mysterious and you are able to debug programs when they don't work. By the end of the specialization, you'll be writing programs that query Internet APIs for data and extract useful information from them. And you'll be able to learn to use new modules and APIs on your own by reading the documentation. That will give you a great launch toward being an independent Python programmer.

Python Basics

Python Functions, Files, and Dictionaries

Data Collection and Processing with Python

Python Classes and Inheritance

Python Project: pillow, tesseract, and opencv

*Stephen Oney Paul Resnick*

Steve Oney  
Assistant Professor  
School of Information

Paul Resnick  
Michael D. Cohen  
Collegiate Professor  
School of Information

*Jaclyn Cohen*

Jaclyn Cohen  
Lecturer  
School of Information

*Christopher Brooks*

Christopher Brooks  
Research Assistant  
Professor  
School of Information

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/specialization/Q73GWKR537S9>



08/18/2020

**Hariharan S**

has successfully completed

**Python Data Structures**

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

A handwritten signature in black ink, appearing to read 'Charles', with a long horizontal line extending to the right.

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/BXH5Q83VAZF9](https://coursera.org/verify/BXH5Q83VAZF9)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



05/24/2020

**SOUMYA N AIHOLE**

has successfully completed

**Python Data Structures**

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

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

Charles Severance  
Clinical Professor, School of Information  
University of Michigan

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/ADKF6LWU7TTP](https://coursera.org/verify/ADKF6LWU7TTP)  
Coursera has confirmed the identity of this individual and  
their participation in the course.

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Roll No: NPTEL20CS80S31990060  
To  
SIMRAN  
TARUN STATIONARY BHAGAT SINGH CHOWK  
LALBAGH DARBHANGA, BIHAR, 846004  
BIHAR - 846004  
PH. NO : 8084780703

Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate



No. of credits recommended by NPTEL:1  
An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.



**Elite**

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**SIMRAN**

for successfully completing the course

## Python for Data Science

with a consolidated score of **73** %

Online Assignments	23.33/25	Programming Exam	18.25/25	Proctored Exam	30.95/50
--------------------	----------	------------------	----------	----------------	----------

Total number of candidates certified in this course: 2008

*Devendra Jaliha*

Prof. Devendra Jaliha  
Chairman  
Centre for Continuing Education, IITM

Sep-Oct 2020  
(4 week course)

*Andrew Thangaraj*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



Indian Institute of Technology Madras



This certificate is computer generated and can be verified by scanning the QR code given below. This will display the certificate from the NPTEL repository, <https://nptel.ac.in/noc/>

Roll No: NPTEL20MA30S61210071

To  
RUTU KIRAN  
NO. 6, TRINETRA, 1ST CROSS  
GANAPATHI NAGAR, PEENYA POST  
BANGALORE  
KARNATAKA - 560058  
PH. NO :9482119774



Score	Type of Certificate
>=90	Elite+Gold
75-89	Elite+Silver
>=60	Elite
40-59	Successfully Completed
<40	No Certificate

No. of credits recommended by NPTEL:3

An additional 1 credit may be awarded if the University deems it fit, based on the actual student effort involved.

Elite

# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

**RUTU KIRAN**

for successfully completing the course



## Regression Analysis

with a consolidated score of **75** %

Online Assignments	21.69/25	Proctored Exam	53.25/75
--------------------	----------	----------------	----------

Total number of candidates certified in this course: 82

*C. Harinath*

Prof. Harinath Chakrapani  
Dean, International Relations and Outreach  
IISER Pune

Sep-Dec 2020  
(12 week course)

*Thangaraj*

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras



IISER - Indian Institute of Science Education  
and Research Pune



# **M** UNIVERSITY OF MICHIGAN

Aug 23, 2020

Siddartha S S

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/XG24VY8F57MY>

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



Apr 29, 2020

**Shashank Sathya**

has successfully completed

**AI For Everyone**

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

A handwritten signature in black ink that reads "Andrew Ng".

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

COURSE  
CERTIFICATE



Verify at:  
<https://coursera.org/verify/H9UYYVNURDA9>

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



deeplearning.ai

05/04/2020

**SOUMYA N AIHOLE**

has successfully completed

**AI For Everyone**

an online non-credit course authorized by deeplearning.ai and offered through  
Coursera

A handwritten signature in black ink, appearing to read "Andrew Ng".

Adjunct Professor Andrew Ng  
Computer Science Department  
Stanford University

**COURSE  
CERTIFICATE**



Verify at [coursera.org/verify/CAJgV9XUW5L3](https://coursera.org/verify/CAJgV9XUW5L3)  
Coursera has confirmed the identity of this individual and  
their participation in the course.