



**CERTIFICATE PROGRAM**

# Python for Machine Learning

Online Self Paced Course | 40+ Hours of Training



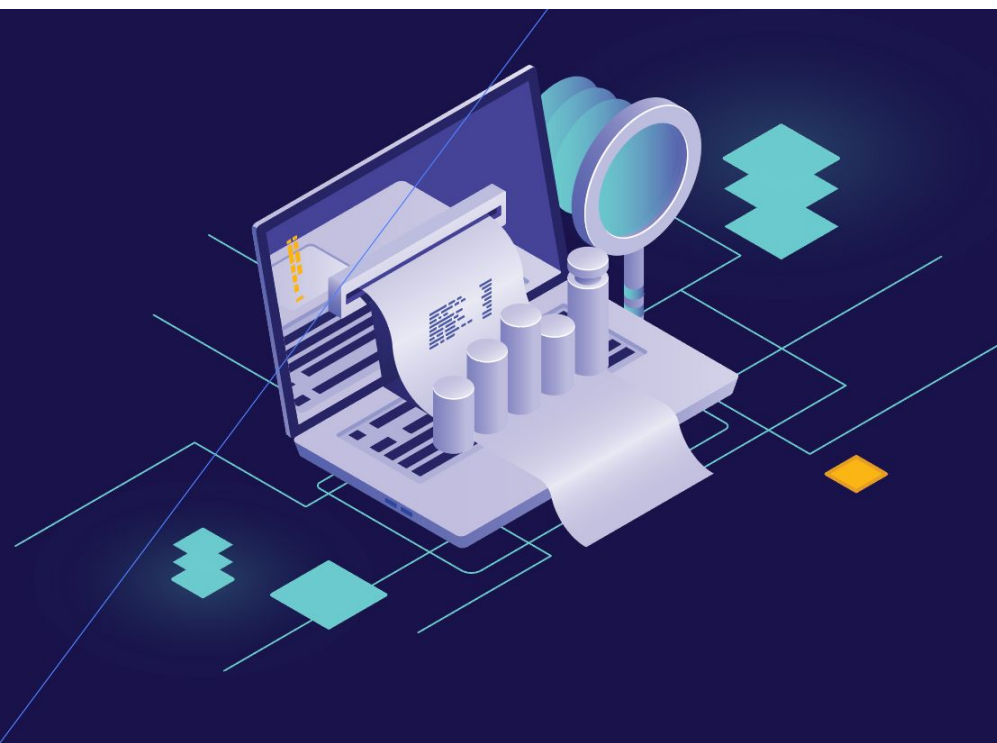
# CloudxLab & Course

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At Cloudxlab, we are building one of the best gamified learning environments to make technology learning fun and for life. More than 50,000 users across the world have been benefited by our signature courses on Machine Learning and Big Data. Our vision is to upskill people on high-end technologies like Deep Learning, Machine Learning, Big Data and make them employable.

Automation is dominating every domain and impacting every walk of human life. The tasks that used to require human labor can now be performed with far more precision and efficiency with automation.

The first step for automation is to learn a programming language. Which programming language should you learn? When we studied the demand in industry, we found that the demand for python has increased 34% since 2014. And there is a reason why the demand for python has grown so quickly. Python is the most versatile language of all.



**Sandeep Giri**

Founder at CloudxLab

# About E&ICT Academy, IIT Roorkee

E&ICT Academy, IIT Roorkee provides training programs with an emphasis on hands-on learning in basic/advanced topics and emerging technologies. Then project is sponsored by the Ministry of Electronics and Information Technology, Govt. of India. E&ICT Academy courses are at par with Quality Improvement Program (QIP) for recognition/credits.

The programs are conducted by well-known industry partners, researches and experts from leading academic and renowned R&D organizations. For this, the Academy has signed MoUs with Industry/ R&D partners in different domains, who collaborate and work with them in conducting the training programs. Academy also facilitates the interaction between beneficiaries and industry experts to enable collaboration and finding opportunities for parent institutions.



**Sanjeev Manhas**

Associate Professor IIT Roorkee

# Why CloudxLab

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**Earn a certificate from E&ICT Academy, IIT Roorkee.**



**Learn Python for Machine Learning from industry experts**



**Online cloud lab for hands-on for real-world experience**



**Best-in-class support Throughout your learning journey**



**Lifetime course access**



**Work on real-world projects.**



**Interact with the international community of peers via the discussion forum.**



# Course Creators

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## Sandeep Giri

Founder at CloudxLab  
Past: Amazon, InMobi, D.E.Shaw

**Course Developer**

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## Sanjeev Manhas

Associate Professor,  
IIT Roorkee

**Course Advisor**

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## R. Balasubramanian

Professor,  
IIT Roorkee

**Course Developer**

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## Partha Pratim Roy

Assistant Professor,  
IIT Roorkee

**Course Developer**

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## Abhinav Singh

Co-Founder at CloudxLab  
Past: Byjus

**Course Developer**

[Know More](#)

# Course Curriculum

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1. Introduction to Linux
2. Introduction to Python
3. Hands-on using Jupyter on CloudxLab
4. Overview of Linear Algebra
5. Introduction to NumPy, Matplotlib & Pandas
6. Quizzes, gamified assessments & projects

## Project

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### 1. Analyze Emails

Churn the mail activity from various individuals in an open source project development team.

## Course Details and Fees —

Please find more information about the course and fees here:

<https://cloudxlab.com/course/72/python-for-machine-learning-eict-iitr>

## Mode of Learning —

Online Self-Paced Learning

## Our Esteemed Customers —

simplilearn

greatlearning

INSOFE  
Inspire...Educate...Transform.

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Udemy

Tech  
Mahindra



Cornell University

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Technology

Carnegie  
Mellon  
University

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UNIVERSITY of WASHINGTON

## For Further Details —

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