

COMET CERTIFIED ARTIFICIAL INTELLIGENCE COURSE BROCHURE

Overview

- **Python** is one of the powerful programming languages that is high-level, open-source, and most commonly used for **web development, scientific and mathematical application development, etc.**
- One of the great advantages of this programming language is it provides excellent library support and has a large developer community. It also provides easy integration with web services and GUI-based desktop applications.
- Python is fast, easy-to-use and the most preferred programming language for developing projects by many companies such as **YouTube, Instagram, Pinterest, and Quora, etc.** Because of its excellent features, Python is considered an easy to learn programming language for beginners and is also sophisticated enough for experienced professionals to use.
- Apart from web development and desktop app development, Python is extensively used in the Data Science field and is used for developing Machine Learning projects. Because of its huge popularity, many IT professionals are learning this programming language to build their career as a Python developer.

Course Objective

- This course will give you a good grasp on AI techniques and on how to create your application for a given data irrespective to its nature.
- Any beginner who wants to learn AI, this is the perfect course to begin with as we will learn by understanding python basics till advanced deep learning models.

Audience Profile

- This course is for Students/IT Professionals who is interested in **Python for AI.**

Prerequisites

- There are no such prerequisites to learn Python but having a basic knowledge of any programming language concepts like what is a loop, what if and else does, how operators are used, etc. will be helpful. If you have strong command over the basics of any programming language, you can learn Python quickly.

Tag Line :

An effort to reach AI to everyone with guaranteed money back.

We pay you and you learn AI from us.

An attempt to book of records **(1 Lakh participants creating AI Applications @ 2023)**

Key Benefits:

- Industrial experts with live exposure will be conducting classes.
- Syllabus curated from experts who has curated syllabus for bigger universities in India.
- Live Classes and self-pace recorded contents.
- Access to unlimited projects and codes.
- Ideal for Final and Pre-Final year students as final year / mini project support with placement support provided.
- We will pay you 50% of the fees once you pass our exam with a score just 50/100.
- Additional courses can be purchased with 80% discount

Why we are returning 50% pay:

- In India if something is given for free, it will lose its value. So we are collecting what is required to maintain our tech stack without putting a hole in your pockets.
- It's an effort to up skill students in AI and make India a pioneer in this field.

Possible business ends:

- Project assistance
- Placement support
- Other course which is available in our pool will get more reachability
- Can create book of records by joining 1 lac people taking the course and creating a project.
- PG diploma can be derived with larger contents.

SYLLABUS

Python for Data Science

- Hello World
- Data Types
- Operations
- Conditions
- Loops
- String Operators
- Data Structures & Handling
- Functions
- Class
- Exception handling

Modules and Packages

- Numpy
- Pandas
- Seaborn
- Time
- Random
- OS
- Glob

Visualization

- Data Understanding
- Exploratory Analysis
 - Bivariate Analysis
 - Multivariate Analysis
- Data Pre-processing and cleaning
- Visualization

Statistics

- Statistics
- Distributions
- Probability

Machine Learning

- Supervised Regression
 - Exploratory Data Analysis
 - Linear Regression (LR)
 - Feature Engineering and Selection

- Supervised Classification
 - Logistic Regression
 - K-Nearest Neighbours
 - Support Vector machines
 - Decision Trees
 - Naive Bayes
 - Ensemble Techniques
 - Bagging
 - Boosting
 - Random Forest
- Unsupervised Learning
 - K-means Algorithm
- DB Clustering

Image Processing

- Image Basics
 - Hello world to Image Processing
 - Drawing Operations
 - Basic Image Handling
 - Masking Operation
 - Removing Noise in images
 - Thresholding
 - Morphological Operations
 - Histograms
 - Contours
- Feature Extraction Techniques
 - Color Channel Statistics
 - Haralick Textures
 - LBPH
 - HOG
- Machine learning with image processing
- Case Studies of Machine Learning on images

Deep Learning

- Neural Networks
 - Neurons
 - Layers
 - Activation Functions
 - Weights and Bias
 - Back Propagation
 - Error Calculation and Weight update
 - Optimizations

- **Creating Neural Network for Numerical Dataset**
 - EDA
 - Creating Architecture
 - Model Hyper parameter fine tuning
- **Creating Neural Network for Image Dataset**
 - EDA
 - Creating Architecture
 - Model Hyper parameter fine tuning
- **Convolutional Neural Network**
 - Convolutions and Feature maps
 - Pooling
 - Dropout
 - Normalization
- **Creating CNN for Image dataset**
 - Convolutions and Feature maps
 - Pooling
 - Dropout
 - Normalization
- **Transfer Learning Techniques**
- **Introduction to GAN** and basic implementation

PROJECTS

- Flower Species Classification
- House Price Prediction
- Car Price Prediction
- Gestation Diabetes Classification
- Parkinson Disease Classification
- Cyber Security - Attack Detection
- RNA Sequence Classification
- Auto image sorting Technique
- Car Logo Classification
- Indian Coin Classification
- Face recognition
- Flooring Classification
- Hand written Digit Classification
- Bird Classification
- Text Generator using GAN and many more...

PROFILE

- Expert Team Consists of Graduate Engineers and Doctorates with Industrial and Academic Experience
- Min. 6+ years of Industrial Experience working on Cutting edge AI products on Top MNC Companies
- The Expert Team have taken lectures, Faculty development training including institutes like IIT, IISC, MIT, NIT, VIT and much more all over India.
- The Expert Team hold an Indian Book of records in teaching AI to most no. of participants in a single day
- There will also be an Academic expert team to design the syllabus and projects from MIT, VIT, NIT etc.

FAQ

- How do I register for this event?
- How many months will it take to complete the course?
 - a. It will be 2 to 3 months based on how well the participants grab the contents.
- Will I get additional Reference Materials and recorded Content?
 - a. Yes, you will get additional reference materials, codes and other videos too.
- Will I get entire course recording and coding for future reference?
 - a. Yes you will give access to see the session recordings and codes used during the class without any additional cost
- What kind of discounts I get in Udemy?
 - a.
- What will I get after registering for the Event?
 - a.
- Why are you offering the course at such a low price? Is there a catch or any other payment to get the certificate?
 - a.
- Will I get 50 % cash back ? how to get it?
 - a. Pass the exam conducted at the end with just 50 % of marks to avail 50 % Cash back
- Will the exam be so tough so that no one will get 50%?
 - a. No, the question will be very easy and will be taken from what has been taught to you. This is to make sure you have gained a decent knowledge on the contents we provide
- Do i Get Certificate as well ?
- I am not good in coding and are there any prerequisite to learn this course ?
 - a. There is no such eligibility criteria, just your willingness to learn is enough for us to help you get started with AI

- What to do if I have query while learning?
 - We understand that no one can create a course which everybody likes. The only way to help you learn easily is by giving the best support.
 - You can get support via three ways ..
 - Biweekly doubt clarification session
 - Use our WhatsApp support
 - Use our FB and Discord Community support





Our Students Testimonials

CONTACT US

Mobile : +91 9940068251 / 58251

Mail : ramesh@cometcompuserve.com / ilanchezhian@cometcompuserve.com