COMPLETE **PYTHON** TRAINING

Module - 1 Python Basics

Introduction
Variables
Data Structures
List
Tuples
Dictionaries
Decision Making
Loops
Functions
File Operations
Python Modules
Introduction To Numpy
Introduction To Matplotlib
Introduction To OpenCv
OOP

6 Hr Duration

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COMPLETE **PYTHON** TRAINING

Module - 2 Python Advanced

Part - 1

15 Hr Duration

Python Programming Basics

- Variable Types
- Operators (Arithmetic. Relational, Assignment, Logical.Bitwise)
- Decision Making
- Repetition (Loops)
- Data Structures (Lists, Tuples, Dictionaries)
- Functions

Quiz from Python Programming Basics

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Module - 2 Python Advanced

Part - 2

Python Modules and Contributed Modules (Matplotlib, Numpy and Pandas) for data handling and preprocessing

- Introduction to python modules and application
- Inbuilt essential python modules (datetime, math, os and etc)
- Creating own customized modules

Exercise from numpy for data processing

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Module - 2 Python Advanced

Part - 3

Image Processing with OpenCV

- Pixelwise Operations
- Drawing Functions
- Color Spaces
- Point Processing and Operations
- Thresholding
- Color Segmentations
- Neighborhood Operations and Filters
- Morphological Operations
- Video Loading and Processing
- Image Transformations
- Geometric Transformations
- Contour Operations

Plant Height Detection using color segmentation and contour operations

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Module - 2 Python Advanced

Part - 4

Machine Learning with Scikit Learn

- Introduction to Machine Learning, Supervised Machine Learning
- Identifying Features and Labels
- Classification and Regression Problems
- Machine Learning Algorithms in detail (Regression, Classification, Clustering, Dimensionality Reduction Algorithms)
- Introduction to K Nearest Neighbor Classifier
- Euclidean Distance
- Choosing the optimal K value

Project : **Character Recognition using K Nearest Neighbor Algorithm**

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Module - 2 Python Advanced

Part - 5

Web framework development with Flask

- **Introduction to Python Web-frameworks**
- **Introduction to Python Backend development with Flask**
- **Flask Routes, URL bindings and HTTP Methods**
- **Template Rendering and Static Files**
- **Request Objects, Data Transfer, and File uploading**
- **Loading the trained Neural Network models and Machine Learning Models into the backend**
- **Deployment of Python backends in local server**

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COMPLETE **PYTHON** TRAINING

Module - 3

5 Python Projects For Beginners

1.Real Time Model Training and Face Recognition
2.Build your own Music Player
3.Search Application
4.GUI Email Sender
5.Student Management System

Duration : 6 Hrs

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Module - 4

7 Python Projects For Intermediate Dev

Duration : 15 Hrs

1.Chatbot
2.Movie Description
3.Talking Dictionary
4.Restaurant Management System with sending email
5.Professional Login and Registration Form
6.On Screen Keyboard
7.Typing Master (Pygame)

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COMPLETE **PYTHON** TRAINING

Module - 5 Machine Learning With 5 Projects

Introduction to Machine Learning, Supervised ML, Introduction to nearest Neighbours classifier, and handwritten digits recognition.

Project 1 - Handwritten digits recognition - PC App/Web App Development using tkinter and flask.

Project 2 - Face Recognition using support vector machine and principal component analysis.

Project 3 - Predicting the risk of having heart disease using linear regression.

Project 4 - Brain Tumor Detection using color segmentation with KMeans Clustering.

Introduction to object detection with cascade classifier and 68 landmarks detection algorithm

Project 5 - Vehicle detection and counting using cascade classifiers

Duration - 15 Hr

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COMPLETE **PYTHON** TRAINING

Module - 6 Deep Learning With 4 Projects

Part - 1 Introduction to Deep Learning, Supervised Deep Learning, Introduction to feed forward neural networks.

Project - 1 Handwritten Digit Recognition (Web App Development Using Flask with feed forward neural networks

Project - 2 Introduction to Convolution Neural Networks and Face Mask Detection with Convolutional Neural Network

Project - 3 Covid-19 Positive and Negative Detection Web Application With X-Ray Images Using Convolutional Neural Networks

Project - 4 Custom Object Detection Using Tensorflow Object Detection API

Duration - 12 Hr

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Module - 7

Building and Deploying Healthcare Chatbot

- **It is a healthcare chatbot. It is designed to handle all user inputs.**
- **It can recognize more than 280 symptoms.**
- **It can also recognize more than 445 health issues.**
- **It can be used to make a diagnosis by 280+ symptoms and to get detailed information about 445+ health issues.**
- **The detailed information about the health issue includes name, description, possible symptoms, treatment, and medical condition of the health problem.**
- **It can be deployed on any platform such as website, mobile apps, IoTs etc.**

Duration - 3 Hr

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COMPLETE **PYTHON** TRAINING

Module - 8 Django with 4 Projects

- **Django**
- **Models**
- **create read update delete operations**
- **Object Relational Mapping With Database**
- **Authentication**
- **Message requests**
- **Django Inbuilt Libraries**
- **security measures**

Duration - 4 Hr

2 Minor Projects :

- **Project 1 : To-Do Application**
- **Project 2 : Crud Application**

2 Major Projects :

- **Project 1 : Building A Covid-19 Live Web App**
- **Project 2 : Building A Pizza Delivery Management System**

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Module - 9 Django Advanced

- **Url routing**
- **Forms**
- **Post Requests**
- **Channels**
- **Socket Programming**
- **working with Templates**

Duration : 2 Hr

- **How to use the ASGI, Redis-Server, Channels and WebSockets in a very simplified way.**
- **Channels is really an interesting topic which we have to look at while developing synchronous applications such as messenger, zoom etc.**
- **but the way it is written in the documentation is a little hard for the beginner to understand the concept behind it,**
- **i made an extensive research to simply the documentation which can be understandable by a beginner Django developer and came up with this course for you, thats the reason why the length of this course is very short,**
- **and when it comes to the curriculum, we will learn url routing, forms ,post requests, templates, ASGI, class based and function based views and socket programming with channels**
- **and finally we will come up with an interesting project, a group chat application, and i hope you will have a wonderful journey while accessing this content.**

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Bonuses :

- **Building One Amazing Major Project**
- **Building One Portfolio Website**
- **Building Landing Page**

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Why Us ?

We are from instagram community of over 230k Followers around Social Media Platforms (Id - python.advance.projects)

Trained Over 5000 Students in Last 3 Months.

Got All Positive Feedback From Students and now they can build projects on their own.

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What you will get ?

- Lifetime Access Of Our Portal

- All resources code, content, dataset.

- All Contains Step by step tutorials.

- 4 Certificates

- Exclusive Calls Every Month From May 2021 related to career guidance.

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Fee Structure :

Fees is only 1999/- Or 30 USD for this complete program.

How to Enroll :

Indian Students (Link Below)

https://rzp.io/l/FF8rzCVEpI

International Students (Link Below)

https://rzp.io/l/vEo1wSvxo

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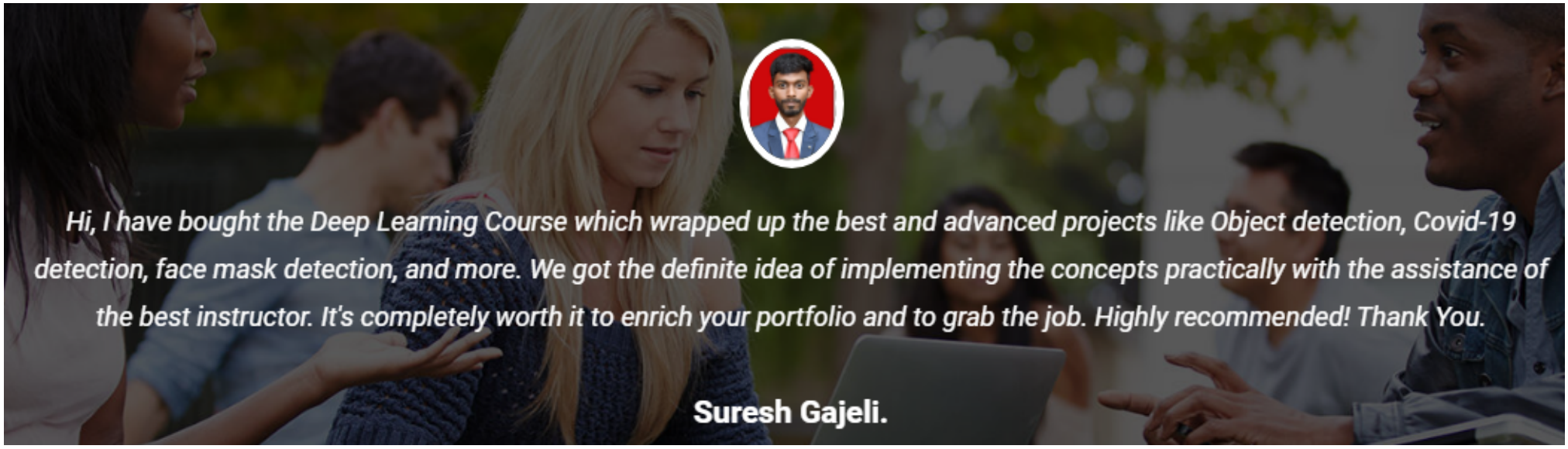
Reviews :



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