Full Stack Web Development with Python in Hindi Tech Neuron

Full Stack Python with Django is specially created to fulfil the standards set by the industry. You may learn a lot about Python, the Django REST framework, Django Models, React, and other topics in this lengthy online interactive course. With the Python Django program, you will also gain proficiency with the web framework while working on practical use cases.

This course is a part of Tech Neuron

What you'll learn

Course introduction

course overview and dashboard description
Programming language overview
History of Python
Version History of Python
Installation (tools:vscode, IDLE)
Learning Path through Python

Python basic

Developing and executing Python program
Python Virtual Machine
Comment, data, variables, types
heap space and namespace
id, keywords, import, module, help
print, input
number system
Conversion functions
Operators - arithmetic, bitwise, comparison and assignment operators, operator's precedence and associativity
Decision Control Statements
Iterative control Statemenets - while loop
transefer control statements- break, continue, pass
for loop
range

List object basics

list
list methods
List comprehensions
packing unpacking
built-in methods

String objects

String object basics
String methods
Splitting and joining strings
String format functions

Tuples

tuple basics
tuple methods
list vs tuple

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set

set basics
set comprehensions
set methods

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dict

dictionary basics
dict methods
dict comprehensions

Functions

Function Basics
Ways to define a function
function returning None
default arguments
positional vs keyword arguments
variable number of arguments
Recursion
Lambda functions
Iterators
Generator functions
Decorators
Map, reduce, filter functions.

Memory management

Multithreading
Multiprocessing

Oops concepts

oops basic concepts.
Main aspects of OOP
Encapsulation and Abstraction
Classes and Objects
init method
Types of variables
Types of functions
Inheritance
Name conflict issues
Polymorphism
Overriding
Operator Overloading

Exception Handling

Introduction to Exceptions
Exceptions handling with try-except
use of else and finally
Defining exception

Files

Working with files
Reading and writing files

Buffered read and write
Other file methods.
Renaming a file
Removing a file

DATABASE

Postgres Basics

Project

Core Python + DB
Web Project-1
Web Project-2

Web Development using Python on Django

Client Server Architecture
HTML
CSS
JS
Introduction to Django
Creating first Django Project
Creating web application
Defining views in an application
Multiple views
Multiple Application
Application level url configuration
Template
Template variables
Template Tags
Template Filters
Custom Template Tags and Filters
Database Introduction
SQLite DB
Models
makemigrations
migrate
Admin app
CRUD operations
session tracking
login functionality

React

React Essentials

Web API

What is web API
Difference b/w API and web API
Restful services
POSTMAN

Course language: English

Price : Rs.25000/-

Instructor(s)

- Saurabh Shukla

Course Features

- Course material
- Course resources
- On demand recorded videos
- Practical exercises
- Quizzes
- Assignments
- Course completion certificate
- 18 hr live support all seven day
- Extra doubt clearing as per demand
- hindi
- Doubt clearing
- 300+ practice problems

System Requirements

- System with Internet Connection
- Interest to learn
- Dedication