



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.

Mode: self-paced

Language: English

Duration:

What you'll learn:

Python basic
List object basics
String objects
Tuples
Functions
Memory management
Oops concepts
Exception Handling
Files
DATABASE
Web Development using Python on Django
React
Web API

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

Requirements:

System with Internet Connection
Interest to learn
Dedication

Pricing:

25000 INR
315 USD

Course Curriculum:

1. 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

2. 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 Statements - while loop

transfer control statements- break, continue, pass

for loop

range

3. List object basics

list

list methods

List comprehensions

packing unpacking

built-in methods

4. String objects

String object basics

String methods

Splitting and joining strings

String format functions

5. Tuples

tuple basics

tuple methods

list vs tuple

6. set

set basics

set comprehensions

set methods

7. dict

dictionary basics

dict methods

dict comprehensions

8. 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.

9. Memory management

Multithreading

Multiprocessing

10. 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

11. Exception Handling

Introduction to Exceptions

Exceptions handling with try-except

use of else and finally

Defining exception

12. Files

Working with files

Reading and writing files

Buffered read and write

Other file methods.

Renaming a file

Removing a file

13. DATABASE

Postgres Basics

14. Project

Core Python + DB

Web Project-1

Web Project-2

15. 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

16. React

- React Essentials

17. Web API

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

Instructors:

1. Saurabh Shukla

Saurabh Shukla has been educating children with this credo, and he does so for free. MySirG.com, the educator's YouTube channel, features video lessons on programming languages. Saurabh has successfully reached thousands of students around the country by making it his aim to produce subject-related videos on a daily basis.

Email: sshukla_manit@yahoo.com
youtube: <https://www.youtube.com/user/saurabhexponent1>
linkedin: <https://www.linkedin.com/in/saurabh-shukla-5b73bb6/>