

PYTHON Full-Stack

Duration: 120 Hours

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**PYTHON
Fullstack**

PYTHON

- ❖ History, Features, Setting up path, Working with Python, Basic Syntax.
- ❖ Input and Output in Python
- ❖ Variable and Data Types, Operator.
- ❖ Conditional Statements, Loop, Break, Continue, Pass
- ❖ String Manipulation
- ❖ LIST, Tuple, Dictionary, Set
- ❖ USER DEFINE Functions
- ❖ File handling
- ❖ Exception handling
- ❖ OOPS Concept in Python
- ❖ Data Abstraction and Data Encapsulation
- ❖ Polymorphism and Inheritance
- ❖ Magic Function in Python
- ❖ Decorator in Python
- ❖ Monkey patching concept in Python?
- ❖ How to import and export excel and CSV File in Python
- ❖ Module in Python
- ❖ Multithreading

Django

- ❖ Introduction to Django Complete Django Architecture
- ❖ What are MVT and MVC?
- ❖ Django Project, app, CLI
- ❖ Mapping the views to urls and explain project urls
- ❖ Django REST API
- ❖ Django Image, Video API
- ❖ Django API Development using GET, POST, PUT, DELETE
- ❖ Django database connectivity with MYSQL
- ❖ Django Database connectivity with Sqlite
- ❖ CRUD OPERATION on DJANGO REST API
- ❖ DJANGO Form elements using HTML
- ❖ Login Form, Registration Form, Session, Cookies, ACL
- ❖ Create Live Project in Django

React Framework

- ❖ Introduction to ReactJS
- ❖ Comparison of Different Version of React
- ❖ How to install React on machine
- ❖ React Project Structure
- ❖ React vs Angular
- ❖ React components
- ❖ What is Function Component and Class Component
- ❖ React Props & State
- ❖ REACT JSX
- ❖ React HOOKS
- ❖ React List and Keys
- ❖ React refs
- ❖ REACT CONSTRUCTOR
- ❖ Reacts Events
- ❖ React Internals
- ❖ Component inter communication
- ❖ Component composition
- ❖ Component styling
- ❖ Add styles to your components
- ❖ Forms in react, Template driven, reactive
- ❖ React Router and Single Page Applications
- ❖ More Redux and Client-Server Communication
- ❖ How to call REST API in React
- ❖ API using FETCH
- ❖ API using AXIOX



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