PYTHON FULL STACK
COURSE CURRICULUM

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Introduction to Python Full Stack Development
♦ Overview of frontend, backend & database architecture
♦ Environment setup: VS Code, Python, Git, Browser Tools
♦ Client-server model explanation
♦ Basics of web development with Python

Frontend Development with HTML, CSS, JavaScript & React
♦ Build static pages using HTML5 & CSS3
♦ Add interactivity using JavaScript & ES6+
♦ Introduction to React.js and component-based architecture
♦ React Hooks, Props, State, and Routing
♦ API integration with Axios or Fetch API

Backend Development using Python & Django/Flask
♦ Python core programming concepts
♦ Object-Oriented Programming and File Handling
♦ Web development using Django or Flask framework
♦ Create REST APIs with Django Rest Framework (DRF)
♦ Middleware, URL routing, and Template Engine
♦ Authentication using JWT and Django Auth

Database Management with MySQL / PostgreSQL / MongoDB
♦ Basics of SQL and NoSQL databases
♦ CRUD operations using MySQL or PostgreSQL
♦ Using Django ORM or MongoEngine for data handling
♦ Data modeling and migrations

Tools, Testing & DevOps Basics
♦ Version control using Git & GitHub
♦ API testing with Postman
♦ Unit testing using PyTest or unittest
♦ Introduction to Docker & CI/CD fundamentals
♦ Deployment on Heroku / AWS / PythonAnywhere

Capstone Project & Real-Time Applications
♦ Build a complete full stack web application
♦ Examples: Blog CMS, Resume Analyzer, Task Manager
♦ Implement frontend + backend + database integration
♦ Deploy your project on a live cloud server

Thank you

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**Thank You for Going Through Python Full Stack Curriculum
We hope this guide has provided a clear and structured learning path
to strengthen your skills in Python Full Stack.**

📌 **NEXT STEPS**

• Start practicing with real-world use cases and hands-on exercises
• Build personal or client-based projects for your portfolio
• Keep exploring updates and best practices in the industry
• Join discussions and stay connected with the community

📞 **Need Help or Guidance?
Feel free to contact our course support team:
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