

# PYTHON COURSE

## Course Curriculum: Python Full Stack Development

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### Module 1: Introduction to Full Stack Development

- Overview of Full Stack Development
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### Module 2: Core Python Programming

- Python Basics
  - Object-Oriented Programming in Python
  - Advanced Python Concepts
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### Module 3: Front-End Development

- HTML & CSS
  - JavaScript and ES6
  - Front-End Frameworks
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### Module 4: Back-End Development with Python

- Web Development with Flask
  - Web Development with Django
  - Authentication and Authorization
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### Module 5: Database Management

- Relational Databases
  - NoSQL Databases
  - Database Integration
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### Module 6: Version Control and Collaboration

- **Git and GitHub**
  - **CI/CD Pipelines**
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## **Module 7: DevOps and Cloud Deployment**

- **Introduction to DevOps**
  - **Containerization with Docker**
  - **Cloud Services**
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## **Module 8: Testing and Debugging**

- **Unit Testing**
  - **Integration Testing**
  - **Debugging Techniques**
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## **Module 9: Capstone Project**

- **Project Planning**
  - **Project Development**
  - **Testing and Deployment**
  - **Presentation and Review**
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## **Module 10: Career Preparation**

- **Building a Portfolio**
- **Interview Preparation**
- **Resume and LinkedIn Optimization**