

INDUSTRIAL STANDARD BASED PYTHON TRAINING

Django – Flask – Project Management –
AWS – GPT – React – GIT – JS



View course



Learn what its demands

Elevate your coding expertise with our Python Web Development Bootcamp. From Django fundamentals to advanced integrations like React and GraphQL, this comprehensive course equips you to build robust, secure, and high-performance web applications. Dive into hands-on projects, master deployment with Docker, and collaborate on real-world initiatives. Whether you're a novice or a seasoned developer, our bootcamp ensures you gain the skills and confidence to thrive in the dynamic realm of modern web development. Unleash your potential and join us on the journey to mastering Python web development!

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Our Course Specialities



LIVE PROJECT

Internship



INDUSTRIAL

Standard Training



PROJECT

Management



PROMPT

Engineering Basics



CHAT GPT

Training



AWS & GIT

Deployment



WEB SECURITY & SEO

Management



OJT & PLACEMENT

Assistance



COURSE MODULES



This immersive bootcamp equips you with Python's latest tools for building powerful web applications. From Django to advanced integrations and AI incorporation, hands-on projects and industry collaboration ensure you gain expertise to thrive in modern web development, ensuring your success in this dynamic field.





1. Introduction and Setup

- Course Overview: Discover the exciting journey of web development.
- Expectations: Understand what you'll achieve and gain from the course.
- Development Environments: Set up your workspace for success.
- Version Control with Git: Master collaborative coding practices.
- Project: Craft your personal portfolio website.

2. Frontend Fundamentals

- HTML, CSS, JavaScript: Lay the foundation for dynamic web pages.
- jQuery and Bootstrap: Streamline development with popular frameworks.
- Responsive Design: Build a local business website that adapts to any screen.
- Project: Create a responsive website for a local business.

3. React Fundamentals

- React Components: Dive into the heart of modern web development.
- State Management: Control data flow with React Router, Redux, or Context API.
- E-commerce Application: Develop an interactive web app with user authentication.
- Project: Build a feature-rich e-commerce platform.

4. Backend with Python

- Python Fundamentals: Acquire a versatile programming skill.
- Django and Flask: Explore powerful Python web frameworks.
- RESTful API: Create a task management system API.
- Project: Develop a RESTful API for task management.

5. Advanced Django Developments

- Django Models and Databases: Master SQL for robust data handling.
- Django REST Framework: Elevate API development with Django.
- Social Media Platform: Craft a dynamic platform with profiles and posts.
- Project: Create a social media platform.

6. Web Security and SEO

- Security Best Practices: Safeguard your applications.
- SEO Strategies: Boost visibility in search engines.
- Django Security Measures: Enhance security in Django applications.
- Project: Implement security enhancements.

7. Deployment and Web Servers

- AWS Deployment: Launch applications on EC2 instances.
- Serverless Deployment: Explore Lambda functions.
- Web Server Setup: Use Nginx and Gunicorn for seamless deployment.
- CI/CD: Establish continuous integration and deployment.
- Project: Deploy a production-ready web app with CI/CD.

8. Databases

- SQL and NoSQL: Master database interactions.
- Django Database Integration: Optimize queries and migrate databases.
- Project: Migrate and optimize an application's database.



9. AI Integration

- AI Technologies: Explore the world of Artificial Intelligence.
- Chatbots and Recommendations: Integrate GPT-3 chatbots or recommendation systems.
- Project: Enhance an e-commerce site with AI integration.

10. Application Development and OOPs

- GUI Development: Create visually appealing interfaces.
- Web Scraping: Learn the art of extracting data from websites.
- OOP Principles: Understand Object-Oriented Programming.
- Project: Develop a desktop app or web scraper.

11. Agile Methodologies

- Agile Development Overview: Embrace iterative and collaborative development.
- Scrum and Kanban: Implement Agile methodologies.
- Project: Introduce Agile to an ongoing project.

12. Unit Testing and Debugging

- Django and React Testing: Ensure code quality with unit tests.
- Debugging Techniques: Master tools and techniques.
- Project: Conduct unit testing and debugging.





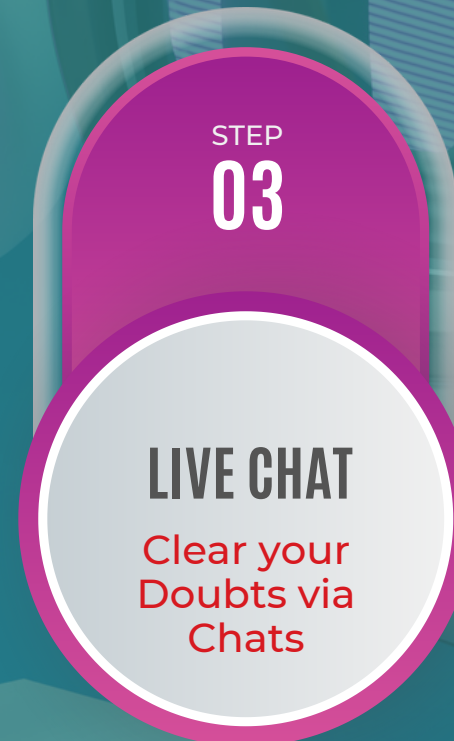
13. Docker and Containerization

- Introduction to Docker: Understand containerization.
- Containerizing Applications: Deploy applications with Docker.
- Docker Compose: Manage multi-container applications.
- Project: Containerize an application and set up a development environment.

14. Internship Projects

- Introduction to Docker: Understand containerization.
- Containerizing Applications: Deploy applications with Docker.
- Docker Compose: Manage multi-container applications.
- Project: Containerize an application and set up a development environment.

Course Mode





MAKE YOUR CAREER BETTER

Empower your career with our Python Web Development Bootcamp. Master cutting-edge technologies, hands-on projects, and industry insights for a rewarding journey in web development. Elevate your skills today!

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