QUANTUM-AI
THE SCHOOL OF DATA AND AI

PYTHON
FULL STACK DEVELOPMENT

Web Development with Django

Become a full stack developer by mastering front-end technologies, Python programming, and Django framework to build complete, data-base-driven web applications.



WHY QUANTUMAI?

QuantumAI delivers a practical, job-focused curriculum with hands-on projects using real datasets. Led by industry experts, the program provides exposure to modern tools and cloud technologies, making it suitable for both beginners and professionals looking to grow or transition into AI and data science.

COURSE OVERVIEW

This course covers end-to-end web development, starting from front-end basics to back-end development using Python and Django, with real-world application building.



WHAT YOU WILL LEARN

Web Fundamentals

- How the web works
- HTML & HTML5
- CSS & CSS3
- Responsive web design

Front-End Development

- Core & advanced JavaScript
- Form validations & events
- Bootstrap & grid system
- Mobile-first UI design

Core Python

- Python fundamentals & syntax
- Data types, operators & control flow
- Functions, collections & OOP concepts
- Exception handling & regular expressions

Advanced Python

- Classes & inheritance
- Lambda functions
- Error handling & debugging

Django Framework

- Django architecture (MVT)
- Project & application setup
- URL routing & views
- Templates & static files

Database & Backend

- Django models & ORM
- CRUD operations
- Admin panel & authentication
- Form handling & validations

Advanced Django

- Sessions & cookies
- File upload & email services
- User authentication
- Deployment basics

KEY SKILLS GAINED

- Full stack web development
- Python & Django expertise
- Front-end & back-end integration
- Database-driven application design
- Industry-ready project skills

WHO SHOULD ENROLL

- Aspiring full stack developers
- Web developers
- Students & fresh graduates
- Professionals switching to web development



BUILD. DEPLOY. SCALE.

Become a Python Full Stack Developer with QuantumAI

Get in Touch

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