

AHMEDABAD TRAINING INSTITUTE

Python, Django & React.js

(3 Months Professional Course / Project Internship)

Python Programming & Web Foundations

Python Core

- Python syntax & best practices
- Variables, data types, operators
- Conditional statements & loops
- Functions & modules
- Lists, tuples, sets, dictionaries
- File handling
- Exception handling
- Object-Oriented Programming (OOP)

Database Basics

- SQL fundamentals
- Database design concepts
- CRUD operations

Web Basics

- HTML5 structure
- CSS3 styling
- Responsive design concepts
- JavaScript fundamentals

Django – Backend Development

Django Fundamentals

- Django architecture (MVT)
- Project & app structure
- URL routing

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- Views & templates
- Static files & media handling

Database & ORM

- Django Models
- Migrations
- Django ORM queries
- Admin panel customization

Advanced Django

- User authentication & authorization
- Forms & validations
- Sessions & messages
- REST API basics (Django REST Framework)
- API integration with frontend
- Security best practices

React.js – Frontend Development

React Fundamentals

- React setup & project structure
- JSX & components
- Props & state
- Event handling
- Conditional rendering
- Lists & keys

Advanced React

- Hooks (useState, useEffect)
- React Router
- API integration (Axios / Fetch)
- Forms & validations
- State management basics

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Full-Stack Integration

- Connecting React with Django APIs
- Authentication flow
- Role-based access
- Deployment basics

Projects & Practical Training

- Python mini projects
- Django CRUD application
- REST API development
- React frontend application
- Final Full-Stack Project (Python + Django + React.js)

Course Fees: 15,000 INR

To Confirm Your Seat, Call – 99131 99578, 95371 08200