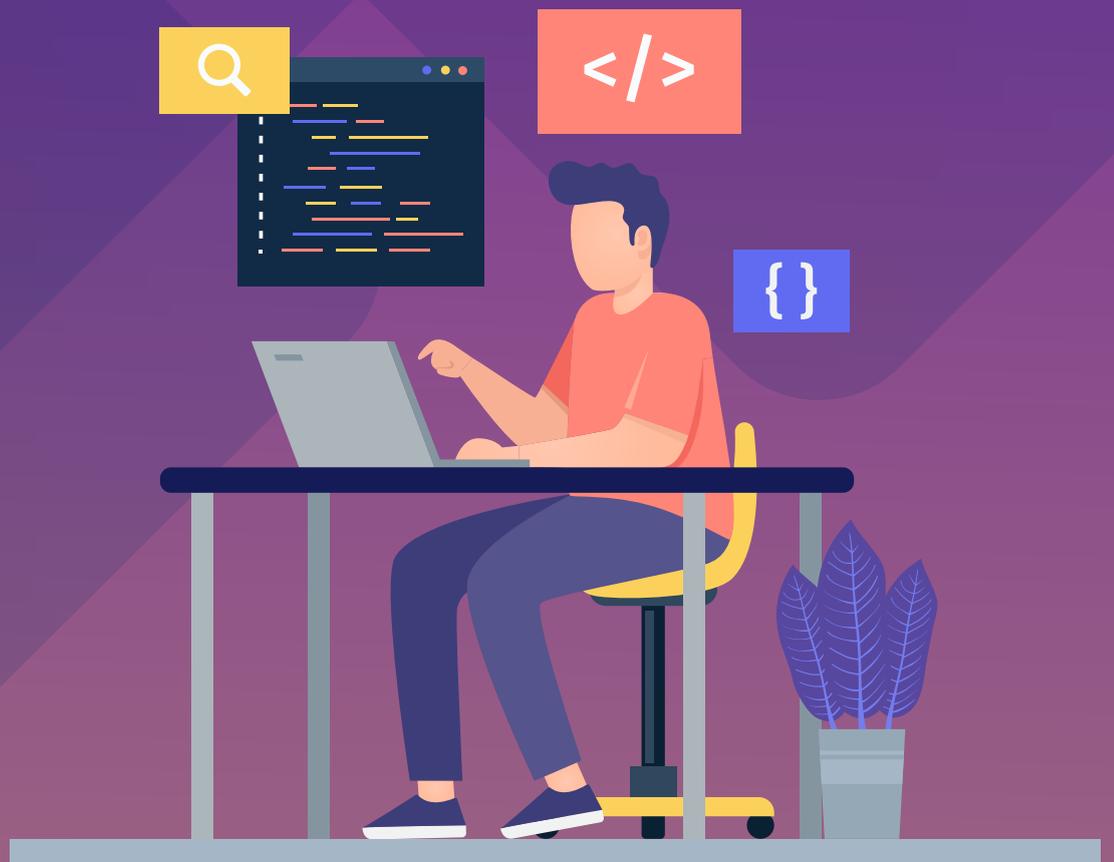


APPLIED AI WITH PYTHON



AN ISO 9001:2015 CERTIFIED ACADEMY

+91 8089 000 806

ociuzacademy@gmail.com

ociuzacademy.com

Applied AI With Python

The Next-Gen Python Full Stack With AI Coding Tool Program Blends The Power Of Python With Modern Web Technologies And Integrates Artificial Intelligence For Automation, Personalization, And Analytics.



Course Structure

- ➔ 4 Months Course
- ➔ 2 Months Internship
- ➔ 100% Placement Assistance

By The End Of This Course, You'll Learn

- Core Python Programming & Logic Building
- Database Management (Mysql, Mongodb)
- Web Technologies (HTML, CSS, Javascript)
- Backend Framework (Django)
- Security & Authentication
- API Development (REST)
- AI & Machine Learning Integration
- UI/UX & Prototyping (Figma)
- Version Control (Git, Github)
- Deployment & Hosting

- Interview & Career Preparation
- Capstone Projects

Syllabus

➔ FOUNDATION & ORIENTATION

1. Logical Thinking with Star Patterns
2. Arrays & Algorithmic Problem Solving
3. OOP Basics – Classes, Objects, Inheritance, Encapsulation
4. Introduction to Python – Syntax, Input/Output, Environment Setup

➔ CORE PYTHON PROGRAMMING

1. Variables, Data Types, Operators, Loops, Conditionals
2. Data Structures—Lists, Tuples, Sets, Dictionaries
3. Functions, File Handling, Recursion, Exception Handling
4. Prompt Tools: Cursor, ChatGPT, GitHub Copilot, OpenAI Playground

➔ DJANGO WEB DEVELOPMENT

1. Django Setup, URL Routing, Views
2. Templates, Models, CRUD Operations
3. Forms, Authentication, Email, Pagination, Notifications
4. Django REST Framework – Serializers, ViewSets, Routers



AI INTEGRATION WITH DJANGO

1. AI Basics: AI, ML, DL Concepts & Real-world Use Cases
2. Setup: pandas, numpy, scikit-learn Installation
3. ML Models: Naive Bayes, SVM – Training, Testing, Accuracy Evaluation
4. Integration: Django + ML Model for Predictions
5. Deployment: Model Optimization and Live Deployment



FINAL PHASE: CAREER & PROJECTS

1. Build AI-Powered Full-Stack Projects
2. Resume & Interview Preparation
3. Technical Evaluation & Presentation
4. Capstone Project Submission



+91 8089000806

Campus

📍 3rd Floor
Buhari Tower, M.G Road,
Thrissur- 680004



ociuzacademy@gmail.com
ociuzacademy.com

Registered office

📍 LSpace, VIP Road, Near JLN
Metro Station & Stadium,
Kaloor, Kochi- 682017