

Python Developer Training

Industry-Ready IT Skills | Live Projects | Placement Support

We are committed to transforming learners into confident, industry-ready professionals. This program is structured to bridge the gap between academic learning and the real expectations of the corporate world. Whether you're a fresher or looking to transition into IT, this is your opportunity to gain practical skills, confidence, and professional competency.

With over 15 years of IT experience, our instructor has served as a Solution Architect across leading global organizations. His expertise includes application development, cloud engineering, DevOps, microservices, and AI-driven systems.

[For Registration and Demo](#)

[Contact: +91-8431893406, 9844551434](#)

[Email: support@nexgenitlabs.com](mailto:support@nexgenitlabs.com)

Seats are limited - enroll now to secure your spot and begin your journey toward a successful career in IT.



Training Mode & Duration
 Mode: Offline & Online (Flexible Learning Options)
 Duration: 8-12 Weeks
 Batch Schedule: Multiple batches available to suit your timing

Training Modules

1. Introduction to Python

- Python installation & environment setup
- Syntax, variables, data types
- Operators, loops, conditional statements

2. Core Python Programming

- Functions & Modules
- File handling
- Error & exception handling
- Object-Oriented Programming (OOP)
- Virtual environments

3. Data Handling & Libraries

- NumPy (arrays, operations)
- Pandas (dataframes, cleaning, analysis)
- Matplotlib (basic charts)

4. Working with Databases

- MySQL / PostgreSQL
- CRUD operations
- Connecting Python with databases using mysql-connector / psycopg2 / SQLAlchemy

5. Web Development with Python

Flask / Django (Choose One or Both)

- Routing & templates
- Forms & validation
- ORM (Django ORM / SQLAlchemy)
- REST API Development

6. Python for Automation

- File automation
- Email automation
- Web scraping with BeautifulSoup / Selenium

7. Advanced Concepts

- Multithreading & multiprocessing
- Decorators & generators
- Logging & debugging

8. Version Control & Tools

- Git & GitHub
- IDEs: PyCharm / VS Code
- Requirements.txt & package management

9. Deployment Basics

- Deploying Flask/Django apps
- Docker basics
- Cloud deployment overview (AWS / Azure)

10. Real-Time Projects

- CRUD web application
- Automation script project
- API-based project
- Mini capstone application

Build Skills. Build Confidence. Become Industry-Ready