

Python Developer Training

Industry-Ready IT Skills | Live Projects | Placement Support



CORPORATE TRAINING

NexGenITLabs

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.



For Registration and Demo

Contact: +91-8431893406, 9844551434

Email: 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