



IT Expert
TECHNOLOGY



FULL STACK PYTHON

(COMPLETE COURSE)

NOW YOU CAN CODE

100% PLACEMENT ASSISTANCE

LIVE PROJECTS | INTERVIEW PREPARATION

COURSE OVERVIEW

A practical program to become job-ready in Python web development.

The Full Stack Python Development Course at IT Expert Technology is designed for students, freshers, graduates and working professionals who want to build a strong career in Python web development. Students learn Python, Django, REST API, SQL, HTML, CSS, JavaScript, Bootstrap, GitHub, deployment and project portfolio preparation with interview-focused practical training.

Practical First

- Coding exercises and debugging practice
- Assignments after each module
- Real project implementation

Industry Tools

- Python, Django, SQL and REST API
- VS Code, GitHub and Postman
- Bootstrap and deployment platforms

Project Portfolio

- Mini projects and live project-style apps
- GitHub repository with README
- Final capstone project

Career Support

- Resume building and LinkedIn guidance
- Interview preparation support
- Project presentation practice

Best Suitable For

- BCA, BCS, BSc CS/IT, MCA, MSc CS/IT, BE/BTech, Diploma and technical/non-technical graduates.
- Freshers and final-year students who need projects, portfolio and interview preparation.
- Working professionals who want to upgrade to full stack development.

WHAT YOU WILL LEARN

Clear outcomes after course completion.

1 Development Skills

- Build complete full stack web applications from scratch.
- Design responsive pages with HTML, CSS, Bootstrap and JavaScript.
- Develop backend logic using Python, Django and Django ORM.
- Create SQL-based CRUD applications.
- Build REST APIs and test them using Postman.
- Deploy projects and manage code using GitHub.

2 Professional Skills

- Prepare interview-ready project documentation.
- Build GitHub portfolio and resume keywords.
- Practice Python, SQL, Django and project interview questions.
- Explain project flow, database design and deployment clearly.
- Understand version control and professional workflow.

Why This Course Works

- Learn by building - not only watching theory.
- Module-wise assignments, debugging practice and trainer-guided project work.
- Full stack workflow: frontend, backend, database, REST API, GitHub and deployment.
- Interview-focused portfolio with live projects and documentation.

Training Type

Practical + Project-Based

Mode

Classroom / Online / Hybrid

Projects

Mini Projects + Capstone

Certification

Support as per Policy

ONE COMPLETE COURSE PLAN

One professional course plan with practical training, projects and 100% Placement Assistance.

FULL STACK PYTHON DEVELOPMENT COURSE - ALL BENEFITS INCLUDED

- Python, OOP, Django and SQL
- HTML5, CSS3, Bootstrap and JavaScript
- REST API, Postman, GitHub and deployment
- 20 practical projects plus final capstone project
- Resume, LinkedIn and GitHub portfolio support
- Mock interviews and technical preparation
- Certification support as per institute policy
- 100% Placement Assistance

COURSE FEE DETAILS & STUDENT BENEFITS

Regular Course Fee

Rs. 40,000

Discounted Course Fee

Rs. 30,000

One-Time Payment Offer

Rs. 27,000

IMPORTANT FEE & PLACEMENT CLARIFICATIONS

- IT Expert Technology provides 100% Placement Assistance with resume guidance, mock interviews and job opportunity support.
- Placement outcome depends on student skills, attendance, project completion, interview performance and employer selection.
- Students receive portfolio support, LinkedIn guidance and project presentation practice.
- Course discounts and fee offers are valid only when recorded on the official fee receipt.

COURSE ROADMAP

Step-by-step professional learning journey.

1

Phase 1 | Foundation

IT basics, Python, OOP, file handling and developer setup.

2

Phase 2 | Database + Backend

SQL, MySQL/SQLite, Django ORM, templates and CRUD applications.

3

Phase 3 | Frontend

HTML5, CSS3, Bootstrap, JavaScript and responsive UI development.

4

Phase 4 | APIs + Deployment

REST APIs, Postman testing, GitHub, hosting and production setup.

5

Phase 5 | Career Portfolio

Live projects, documentation, resume, mock interviews and placement preparation.

After Completing This Roadmap, Student Can

- Develop complete database-driven web applications.
- Build frontend pages, backend logic and REST APIs.
- Deploy projects and present work professionally on GitHub.
- Face technical interviews with project-based confidence.

MODULE-WISE SYLLABUS

Professional, readable modules with practical deliverables.

1 IT Foundation & Development Setup

KEY TOPICS

- Computer basics for developers and software installation workflow.
- VS Code setup, Python installation and virtual environment basics.
- Command line, pip installation and project folder structure.
- Coding best practices and professional development habits.

PROFESSIONAL OUTCOME

- Development environment ready with clean project structure.

HANDS-ON LAB

- Install tools and create first project folder.

MINI PROJECT

- Create a developer setup checklist.

INTERVIEW FOCUS

- VS Code, pip, venv and folder structure.

DELIVERABLE

- Setup checklist plus screenshots.

Setup

VS Code

Python

Pip

2 Python Programming Fundamentals

KEY TOPICS

- Python basics, input/output, namespace, scope and keywords.
- Variables, data types, operators, conditions and loops.
- Strings, lists, tuples, sets, dictionaries and built-in functions.
- Functions, parameters, return values and simple problem solving.

PROFESSIONAL OUTCOME

- Strong Python foundation for backend development.

HANDS-ON LAB

- Write programs using conditions, loops and functions.

MINI PROJECT

- Console-based billing or student marks app.

INTERVIEW FOCUS

- Variables, loops, functions and collections.

DELIVERABLE

- Python practice notebook plus scripts.

Python

Functions

Loops

Collections

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3 Operators, Variables & Control Flow

KEY TOPICS

- Arithmetic, comparison, logical, membership and ternary operators.
- Global/local variables, type conversion and swapping variables.
- If-else, for loop, while loop, break and continue statements.
- Practical problem solving using control flow.

PROFESSIONAL OUTCOME

- Ability to solve logic-based programming tasks.

HANDS-ON LAB

- Build small logic programs and validation scripts.

MINI PROJECT

- Create mini calculator and grade system.

INTERVIEW FOCUS

- Operators, conditions and loop tracing.

DELIVERABLE

- Logic program collection.

Operators

Variables

If Else

Loops

4 Advanced Python & OOP

KEY TOPICS

- Classes, objects, constructors and class/static methods.
- Encapsulation, inheritance and polymorphism in Python.
- Exception handling: try-except, built-in and user-defined exceptions.
- Modules, packages, JSON, CSV, datetime and OS module basics.

PROFESSIONAL OUTCOME

- Object-oriented Python code with error handling.

HANDS-ON LAB

- Implement classes and custom exceptions.

MINI PROJECT

- Library management or account class model.

INTERVIEW FOCUS

- OOP concepts, constructors and exceptions.

DELIVERABLE

- OOP project files plus notes.

OOP

Classes

Inheritance

Exceptions

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5 File Handling & Python Collections

KEY TOPICS

- Create, open, read and write files using Python.
- Text files, CSV files and basic data persistence.
- ChainMap, Counter, defaultdict, deque, heapq and namedtuple.
- Reusable Python utilities for project work.

PROFESSIONAL OUTCOME

- Students can manage files and use advanced collections.

HANDS-ON LAB

- Read/write files and summarize data.

MINI PROJECT

- Create file-based student record manager.

INTERVIEW FOCUS

- File modes, read/write and collections.

DELIVERABLE

- File handling demo plus collection examples.

Files

CSV

Counter

Deque

6 Tkinter GUI & Desktop Applications

KEY TOPICS

- Overview of Tkinter framework and GUI widgets.
- Button, canvas, entry, label, checkbox, radio button and message box.
- Grid/menu/widgets and layout management.
- Database connectivity and CRUD operations using Tkinter.

PROFESSIONAL OUTCOME

- Basic desktop app with GUI and CRUD workflow.

HANDS-ON LAB

- Create forms, buttons and message boxes.

MINI PROJECT

- Calculator or desktop registration app.

INTERVIEW FOCUS

- Tkinter widgets, grid and event handling.

DELIVERABLE

- Tkinter mini application.

Tkinter

GUI

CRUD

Desktop

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7 NumPy, Pandas & Data Handling

KEY TOPICS

- NumPy arrays, matrix operations, reshaping, sorting and searching.
- Pandas objects, viewing data and data manipulation.
- Selection, text data, CSV and Excel file handling.
- Data analysis using Pandas for practical datasets.

PROFESSIONAL OUTCOME

- Ability to handle structured data with Python libraries.

HANDS-ON LAB

- Analyze CSV/Excel datasets using Pandas.

MINI PROJECT

- Sales or student performance analysis.

INTERVIEW FOCUS

- NumPy arrays, Pandas DataFrame and CSV.

DELIVERABLE

- Data analysis notebook.

NumPy

Pandas

CSV

Excel

8 Database & SQL

KEY TOPICS

- DBMS/RDBMS concepts, tables, keys and relationships.
- SQL DDL: CREATE, ALTER, DROP and TRUNCATE.
- SQL DML/DQL: INSERT, UPDATE, DELETE and SELECT.
- Joins, order by, group by and Python database connectivity.

PROFESSIONAL OUTCOME

- Strong SQL foundation for Django database applications.

HANDS-ON LAB

- Write SQL queries and connect database.

MINI PROJECT

- Student records database with queries.

INTERVIEW FOCUS

- DDL, DML, DQL, joins and grouping.

DELIVERABLE

- SQL script plus query outputs.

SQL

MySQL

SQLite

Joins

MODULE-WISE SYLLABUS

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9 Django Framework - Web Applications

KEY TOPICS

- Django introduction, installation and project/app setup.
- MVT architecture, URL mapping, views and templates.
- Django admin, static files, media files and settings.
- Rendering HTML pages and passing parameters.

PROFESSIONAL OUTCOME

- Students can create working Django web applications.

HANDS-ON LAB

- Create Django project, app, views and templates.

MINI PROJECT

- Simple website using Django pages.

INTERVIEW FOCUS

- MVT, views, URLs and templates.

DELIVERABLE

- Django starter project.

Django

MVT

Views

Templates

10 Django ORM, Forms & CRUD

KEY TOPICS

- Models, migrations, Django ORM and admin panel usage.
- CRUD operations using ModelForms and HTML forms.
- File uploading, email handling and form validation.
- Database-driven application with MySQL/SQLite.

PROFESSIONAL OUTCOME

- Complete CRUD web application with database.

HANDS-ON LAB

- Build create, read, update and delete features.

MINI PROJECT

- Student registration or task manager app.

INTERVIEW FOCUS

- ORM, forms, migrations and validation.

DELIVERABLE

- CRUD Django application.

ORM

Forms

CRUD

Admin

MODULE-WISE SYLLABUS

Professional, readable modules with practical deliverables.

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Web Programming & HTML5

KEY TOPICS

- Website architecture, WWW, protocols, URL and web server basics.
- HTML4/HTML5 structure, elements, attributes and editors.
- Links, images, lists, tables, forms, iframe and fieldset.
- HTML5 semantic elements, forms, input types, media and graphics.

PROFESSIONAL OUTCOME

- Professional page structure for frontend development.

HANDS-ON LAB

- Create structured HTML pages and forms.

MINI PROJECT

- Portfolio page or registration form UI.

INTERVIEW FOCUS

- HTML structure, forms and semantic tags.

DELIVERABLE

- HTML pages plus form examples.

HTML5

Forms

Tables

Semantic

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CSS3, Layouts & Responsive Design

KEY TOPICS

- CSS syntax, selectors, comments and stylesheet strategies.
- Color, background, text and font properties.
- Box model, margin, padding, border, float and position properties.
- CSS3 backgrounds, gradients, shadows and responsive layouts.

PROFESSIONAL OUTCOME

- Attractive and responsive web page styling skills.

HANDS-ON LAB

- Style HTML pages using CSS and layouts.

MINI PROJECT

- Responsive landing page design.

INTERVIEW FOCUS

- Selectors, box model, positioning and CSS3.

DELIVERABLE

- Styled website pages.

CSS3

Layout

Responsive

Design

MODULE-WISE SYLLABUS

Professional, readable modules with practical deliverables.

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Bootstrap Framework

KEY TOPICS

- Bootstrap introduction and responsive web design concepts.
- Grid classes, typography, colors and layout structure.
- Tables, navbar, dropdown, forms, buttons and images.
- Responsive components and professional UI development.

PROFESSIONAL OUTCOME

- Fast responsive UI creation using Bootstrap components.

HANDS-ON LAB

- Build responsive pages using Bootstrap grid and components.

MINI PROJECT

- Responsive institute/course landing page.

INTERVIEW FOCUS

- Grid, navbar, forms and responsive tables.

DELIVERABLE

- Bootstrap website pages.

Bootstrap

Grid

Navbar

Forms

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JavaScript & Interactive UI

KEY TOPICS

- JavaScript syntax, output, variables, arrays, objects and data types.
- Operators, functions, conditional statements and looping statements.
- Dates, HTML events, window events, form events and mouse/keyboard events.
- JavaScript validation and DOM interaction basics.

PROFESSIONAL OUTCOME

- Interactive and validated frontend pages.

HANDS-ON LAB

- Create JavaScript validation and dynamic UI actions.

MINI PROJECT

- Form validation and interactive calculator.

INTERVIEW FOCUS

- Functions, DOM events and validation.

DELIVERABLE

- JavaScript UI demo.

JavaScript

DOM

Events

Validation

MODULE-WISE SYLLABUS

Professional, readable modules with practical deliverables.

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Git, GitHub & Developer Workflow

KEY TOPICS

- Git commands, repository creation and version control workflow.
- Commits, branches, project upload and README documentation.
- Team workflow, code backup and professional portfolio setup.
- Clean folder structure and project presentation.

PROFESSIONAL OUTCOME

- Professional GitHub portfolio for interviews.

HANDS-ON LAB

- Create repository, commit code and write README.

MINI PROJECT

- Upload portfolio and Django project to GitHub.

INTERVIEW FOCUS

- Git commands, commits and README.

DELIVERABLE

- GitHub portfolio link.

Git

GitHub

README

Portfolio

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REST API Development

KEY TOPICS

- API concepts, HTTP methods, request/response and JSON.
- Django REST Framework basics, serializers and API views.
- CRUD APIs, authentication basics and Postman testing.
- API documentation and frontend/backend integration concepts.

PROFESSIONAL OUTCOME

- API-ready backend development skill.

HANDS-ON LAB

- Build and test CRUD APIs using Postman.

MINI PROJECT

- Student records REST API.

INTERVIEW FOCUS

- HTTP methods, serializers and API testing.

DELIVERABLE

- DRF API project plus Postman collection.

REST API

DRF

JSON

Postman

MODULE-WISE SYLLABUS

Professional, readable modules with practical deliverables.

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Authentication, Security & Role Dashboard

KEY TOPICS

- User registration, login, logout and session management.
- Password management, permissions and role-based dashboards.
- Basic security practices, CSRF protection and secure forms.
- Student/admin dashboard and access control workflow.

PROFESSIONAL OUTCOME

- Secure user-based web applications.

HANDS-ON LAB

- Implement login, logout and role access.

MINI PROJECT

- Admin/student dashboard web app.

INTERVIEW FOCUS

- Sessions, permissions and CSRF.

DELIVERABLE

- Authentication-enabled Django app.

Auth

Security

Dashboard

Roles

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Deployment, Hosting & Troubleshooting

KEY TOPICS

- Production settings, requirements.txt and environment variables.
- Deployment using PythonAnywhere, Render and other hosting options.
- Static files, media files, database migration and GitHub deployment flow.
- Basic deployment troubleshooting and project demo preparation.

PROFESSIONAL OUTCOME

- Deployable web project with production checklist.

HANDS-ON LAB

- Prepare project for hosting and deploy a demo.

MINI PROJECT

- Deploy final Django project.

INTERVIEW FOCUS

- Requirements, environment variables and static files.

DELIVERABLE

- Deployed project/demo link.

Deployment

Hosting

Render

PythonAnywhere

TOOLS & TECHNOLOGIES

Hands-on exposure to a modern full stack development stack.

Programming

- Python
- OOP
- File Handling
- Exception Handling
- NumPy
- Pandas

Backend

- Django
- Django ORM
- Django Admin
- Authentication
- Forms
- ModelForms

Frontend

- HTML5
- CSS3
- Bootstrap
- JavaScript
- Responsive UI
- Validation

Database & APIs

- SQL
- MySQL / SQLite
- REST API
- DRF Basics
- Postman
- JSON

Workflow

- VS Code
- Git
- GitHub
- README
- Debugging
- Project Structure

Deployment

- PythonAnywhere
- Render Basics
- Requirements File
- Static / Media Files
- Environment Variables
- Hosting Checklist

Developer Skill Outcome

- Build frontend, backend and database modules as one complete application.
- Use GitHub, README, screenshots and deployment links for a professional portfolio.
- Understand common interview questions across Python, Django, SQL, frontend and project flow.

LIVE PROJECTS & PORTFOLIO

Practical mini projects and final capstone project.

Project Name	Technology Focus	Outcome
Personal Portfolio Website	HTML, CSS, Bootstrap	Responsive profile website
Student Registration System	Python, Django, SQL	CRUD-based web app
Login & Role-Based Dashboard	Django Authentication	Student/admin login
Task Management App	Django ORM	Daily task tracker
Blog / News Portal	Django Templates	Content publishing
Course Management System	Django, Database	Course records
E-Commerce Mini Project	Django, Cart, Orders	Shopping workflow
Job Portal Mini Project	Django, Forms	Candidate/job flow
REST API for Student Records	DRF, Postman	CRUD backend API
Final Capstone Project	Full Stack Python	Deployable project

Project Development Support

- Project planning, database design and module explanation.
- Code implementation, debugging support and deployment guidance.
- GitHub upload, README writing, screenshots and final presentation support.

CERTIFICATION & STUDENT BENEFITS

Professional support beyond classroom learning.

Certification Included

- IT Expert Technology course completion certificate after successful attendance, assignments and project completion.
- External certification support as per institute policy and provider availability.
- Project completion support for portfolio presentation and interviews.

Student Benefits

- Practical training with real coding practice from basic to advanced level.
- Trainer support for doubts, assignments and project errors.
- Live project development to build resume and GitHub portfolio.
- Mock interviews, technical questions and feedback.

Professional Development Support

- Resume building with Python, Django, SQL, REST API and full stack project keywords.
- LinkedIn profile improvement and job search guidance.
- GitHub project upload with README, screenshots and explanation notes.
- Mock interviews with Python, SQL, Django, frontend and project-based questions.
- Aptitude, communication and HR preparation as per batch schedule.
- Interview-ready explanation of project problem, database design, modules, result and deployment.

Career-Ready Outcome

- Resume + GitHub + Live Projects + Interview Practice. Students complete the course with professional project documentation and confidence to explain Python full stack applications in interviews.

PLACEMENT ASSISTANCE & STUDENT BENEFITS

Career support, eligibility requirements and professional development guidance.

100% PLACEMENT ASSISTANCE INCLUDES

- Resume preparation with Python, Django, SQL, REST API and project keywords.
- LinkedIn and GitHub portfolio guidance with project documentation support.
- Mock interviews, technical question practice and HR preparation sessions.
- Job opportunity sharing, interview coordination and follow-up support.
- Professional communication, project presentation and deployment demo guidance.

STUDENT RESPONSIBILITIES

- Maintain regular attendance or complete approved make-up sessions.
- Complete assignments, tests, practical tasks, projects and capstone submission.
- Prepare an updated resume, LinkedIn profile, GitHub profile and project documentation.
- Attend suitable interview opportunities shared or arranged by the institute.
- Maintain discipline, timely communication and accurate information.

Placement Outcome Note

Placement assistance supports students in career preparation and interview opportunities. Final selection depends on student performance, eligibility and employer requirements.

STUDENT BENEFITS & CAREER SUPPORT

- Live project guidance with final capstone and deployment support.
- Resume, LinkedIn and GitHub portfolio preparation.
- Mock interviews, technical revision and HR preparation.
- Job opportunity sharing and interview coordination support.

ADMISSION PROCESS

Simple onboarding flow from counselling to certification and placement readiness.

1

Counselling and course/payment plan explanation.

2

Student admission form and course fee confirmation.

3

Fee payment/registration and official receipt generation.

4

Batch allocation and software setup guidance.

5

Course start, attendance tracking, assignments and project development.

6

Course completion, certification and placement-readiness process.

Documents Required

- Photo ID proof such as Aadhaar, PAN, Passport or Driving License.
- Education proof or latest qualification document.
- Passport-size photo if required for institute records.
- Updated resume for placement assistance students.

JOIN FULL STACK PYTHON COURSE

Start learning with practical training and project-based mentoring

ADMISSIONS OPEN

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Course Tracks

Python | Django | REST API

Certification

Support as per Institute Policy

Portfolio

Live Projects + GitHub Docs

BOOK YOUR COUNSELLING SESSION TODAY

ONE COMPLETE COURSE PLAN | 100% PLACEMENT ASSISTANCE

Brochure Note: Final course duration, batch timing, fee plan, certification details, placement assistance details and special offers will be confirmed during admission counselling and on the official fee receipt.