

Python Full-Stack

Course syllabus · Live online · Beginner to Job-ready

Become a job-ready developer: front-end, Python back-end with Django, databases, APIs and deployment.

Live training	120 hours in total
Weekday batch	12 weeks · Monday to Friday, 2 hours per day (10 hours a week)
Weekend batch	15 weeks · Saturday and Sunday, 4 hours each day (8 hours a week)
Self-practice	about 100 hours in total (labs, assignments, revision)
Total effort	about 220 hours including self-practice
Mode	Live instructor-led online sessions · session recordings after each class · small batches
Trainer	Pratiksha
Batch start	Shared by our counselor
Batch timings	Weekday / weekend options, shared by our counselor
Course fee	Shared by our counselor (varies with current offers)

Who is this for?

Freshers, career switchers and non-IT graduates who want to become developers.

Prerequisites

None. We start from the basics.

What you will learn

- Build responsive front-ends with HTML, CSS and JavaScript
- Write clean Python and object-oriented code
- Build web apps and REST APIs with Django
- Design and query relational databases
- Build a React front-end that talks to your API
- Use Git and deploy a full-stack application

Tools and technologies

HTML/CSS/JS · Python · Django · Django REST Framework · React · MySQL/PostgreSQL · Git · Docker basics

Detailed syllabus

#	Module	Hours	Topics	Hands-on
1	Web Foundations	10	• HTML5 semantic structure and forms • CSS3, Flexbox, Grid, responsive design • Bootstrap basics	Responsive portfolio site
2	JavaScript Essentials	12	• Variables, functions, arrays, objects • DOM and events • ES6+, async/await, fetch API	Interactive to-do app

#	Module	Hours	Topics	Hands-on
3	Python Programming	20	• Core Python, data structures, functions • OOP: classes, inheritance • File handling, modules, virtual environments • Testing basics	Python mini projects
4	Databases and SQL	10	• Relational modelling and normalization • SQL: joins, indexes, transactions • PostgreSQL/MySQL with Python	Design a database schema
5	Django Web Framework	22	• Project structure, views, URLs, templates • Models, ORM and migrations • Forms, authentication, authorization • Admin and file uploads	Blog and e-commerce style app
6	REST APIs with Django REST Framework	10	• Serializers, viewsets, routers • Token/JWT authentication • Pagination, filtering, API testing	REST API for the app
7	Front-end with React	16	• Components, props, state, hooks • Routing and forms • Consuming the Django API	React client for the API
8	Git, DevOps and Deployment	6	• Git and GitHub workflow • Docker basics • Deploying the application	Deploy to a cloud host
9	Capstone and Career Preparation	14	• Full-stack capstone build and review • Portfolio and GitHub • Resume and mock interviews	Capstone
	Total live hours	120		

Projects

- Personal portfolio site
- Django blog/e-commerce application
- Capstone: full-stack web application

Assessment

Weekly assignments, module tests and capstone evaluation.

Certification

Course completion certificate and a deployed project portfolio.

What is included

- Live instructor-led online sessions
- Hands-on labs and assignments
- Session recordings after each class
- Doubt-solving support
- Course completion certificate
- Small interactive batches
- Unpaid internship opportunities

Our promise: we do not offer guaranteed-placement claims. We focus on building genuine skills so you are capable of clearing interviews and doing the job. Unpaid internship opportunities are available for practical exposure. Fees and batch dates vary with current offers, so please confirm them with our counselor. This syllabus is indicative and may be updated to reflect industry changes.

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