

# Weekly Python Developer Roadmap (6 Months)

## Month 1: Python Core + Git

Week	Topics	Study Hours	Mini Project
Week 1	Python basics (variables, loops, conditions)	3 hrs/day	Simple calculator
Week 2	Functions, lists, tuples, dictionaries	3 hrs/day	Phonebook CLI
Week 3	OOP: classes, objects, inheritance	2.5 hrs/day	Student system
Week 4	Git & GitHub	2 hrs/day	Upload project to GitHub

## Month 2: Libraries + Problem Solving

Week	Topics	Study Hours	Mini Project
Week 5	Python modules (os, math, datetime)	2.5 hrs/day	Task scheduler
Week 6	Problem-solving (LeetCode Easy)	2 hrs/day	5 problems/day
Week 7	Comprehensions, exception handling	2.5 hrs/day	Script with error logs
Week 8	Mini project week	2 hrs/day	File renamer or email validator

## Month 3: Flask or Django

Week	Topics	Study Hours	Mini Project
Week 9	Flask/Django setup, routing, templates	2.5 hrs/day	Hello World app
Week 10	Forms, database integration	3 hrs/day	Contact form project
Week 11	CRUD app development	2.5 hrs/day	To-do list
Week 12	REST API (GET, POST)	2 hrs/day	Notes API

## Month 4: APIs + Databases

Week	Topics	Study Hours	Mini Project
Week 13	SQL Basics + Practice (joins, filters)	2.5 hrs/day	Movie DB query tool
Week 14	ORM (SQLAlchemy/Django ORM)	2 hrs/day	Blog post model

Week 15	Requests & JSON APIs	2.5 hrs/day	Weather API fetcher
Week 16	Postman + Test APIs	2 hrs/day	Test your own APIs

Month 5: Deployment + GitHub + Resume

Week	Topics	Study Hours	Mini Project
Week 17	Heroku or Render deployment	2 hrs/day	Deploy app
Week 18	GitHub Profile README	1.5 hrs/day	Write a great profile
Week 19	Resume creation + LinkedIn	2 hrs/day	Resume PDF
Week 20	Portfolio website	2 hrs/day	With all project links

Month 6: Job Prep + Apply

Week	Topics	Study Hours	Mini Project
Week 21	Python interview questions	2 hrs/day	Practice mock Q&A
Week 22	System design for beginners	2 hrs/day	Study scalable APIs
Week 23	Open source contribution	1.5 hrs/day	Good-first-issues on GitHub
Week 24	Job hunting + freelancing	1.5 hrs/day	Apply daily (Upwork, LinkedIn)