

# 12-Month Backend Developer Roadmap (Python + Django)

## Month 1: Python + Git + Terminal + MySQL Basics

- Learn core Python (variables, loops, functions, lists, dicts, classes).
- Start using Git: init, add, commit, push.
- Understand basic Linux/CLI commands.
- MySQL: setup, create tables, basic SELECT/INSERT queries.

## Month 2: Projects + Intermediate Python + MySQL Joins

- Build 2 mini projects (e.g., Todo CLI, Contact Book).
- Learn file handling, error handling.
- Understand MySQL joins and relationships.

## Month 3: Django Fundamentals

- Install Django.
- Learn about apps, views, templates, URL routing.
- Build a basic CRUD blog app.
- Connect Django with MySQL.

## Month 4: Django Forms + Models + Admin Panel

- Use Django models and admin panel.
- Handle forms and validation.
- Improve CRUD app with better UI.

## Month 5: Django REST Framework

- Build APIs using Django REST Framework.
- Learn about serializers, viewsets, routers.
- Add user auth: signup, login, JWT.

## Month 6: Intermediate API Project

- Build a full-stack-ready API project (e.g., Expense Tracker API).

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- Document your API using Swagger/Postman.
- Host your code on GitHub.

## Month 7: Docker + GitHub Actions

- Learn Docker basics.
- Dockerize your Django app.
- Setup CI/CD using GitHub Actions.

## Month 8: Deploy Projects

- Deploy your app to Heroku/Render/VPS.
- Use environment variables, secret configs.
- Make your project portfolio-ready.

## Month 9: Big Project Planning

- Start a large Django project (e.g., Blog + Auth + API + Admin).
- Use models with relationships.
- Setup user roles and dashboards.

## Month 10: Complete & Polish Big Project

- Finalize the UI/UX.
- Add proper error handling, pagination, filters.
- Write a clean README + deploy.

## Month 11: Internship Prep

- Polish GitHub profile.
- Write resume and cover letter.
- Add LinkedIn portfolio and start applying.

## Month 12: Apply + Learn DevOps Basics

## **12-Month Backend Developer Roadmap (Python + Django)**

- Apply to 20-30 internships.
- Learn basics of Nginx, Gunicorn, VPS deployment.
- Track progress weekly and improve gaps.