Aayush Dahal

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Professional Summary

Python Backend Developer with hands-on experience building REST APIs using FastAPI, Django, and PostgreSQL through internship and personal projects. Experienced in backend application development, authentication, database design, and API integration. Passionate about writing clean code, solving problems, and continuously improving software engineering skills.

Education

Tribhuvan University — **Kathmandu, Nepal**
Bachelor of Science in Computer Science and Information Technology — *April 2022 – June 2026*

Experience

CurioTech Private Limited — **Kathmandu, Nepal**
Python Backend Developer Intern — *Jan 2026 – Apr 2026*

- Developed REST APIs using FastAPI, Django, and PostgreSQL for backend applications.
- Implemented CRUD operations, authentication, and database integration for multiple backend features.
- Worked on web scraping solutions using BeautifulSoup, Requests, and Selenium to collect structured data from websites.
- Built and maintained WordPress websites for business requirements and content management.
- Collaborated with developers and designers to implement backend functionality and integrate frontend applications.
- Used Git, Postman, and Docker during development, debugging, and API testing.
- **Internship Certificate:** View Certificate

Technical Skills

Programming Languages: Python, Java, SQL

Backend Frameworks: FastAPI, Django, Django REST Framework

Databases: PostgreSQL, MySQL, SQLite

Authentication: JWT, Supabase Authentication

Web Scraping: BeautifulSoup, Requests, Selenium

Tools & Platforms: Git, GitHub, Docker, Postman, VS Code

Other Technologies: REST APIs, WordPress, Google Gemini API

Projects

Inventory Management Backend
Django REST Framework, PostgreSQL

- Developed REST APIs for managing products, inventory, and stock movements using Django REST Framework.
- Implemented CRUD operations, JWT authentication, pagination, filtering, and role-based permissions.
- Designed database models for products, inventory records, and stock transactions using PostgreSQL.
- Tested APIs using Postman and followed a modular project structure for maintainability.

SpireJob — AI Recruitment Platform — Live Site
FastAPI, PostgreSQL

- Developed backend APIs for an AI-powered recruitment platform serving recruiters and job seekers.
- Implemented authentication, applicant management, resume processing, and recruiter workflows.
- Integrated Google Gemini API to support resume analysis and AI-assisted recruitment features.
- Worked with PostgreSQL for data storage and API integration between frontend and backend services.

Storage Quota Management Service
FastAPI, SQLAlchemy, PostgreSQL

- Developed backend APIs for managing user storage quotas and file metadata.
- Implemented quota validation, file management, and usage calculation features.

- Created automated tests to verify API functionality and storage operations.
- Designed the project with a modular structure to support future storage providers.

PrepSmart.ai **Live Site**
FastAPI, Supabase

- Developed backend APIs for an AI-based interview preparation platform.
- Integrated Supabase Authentication and database services for user management.
- Integrated Google Gemini API to provide AI-powered interview assistance.

CERTIFICATIONS

Introduction to Linux (LFS101) — The Linux Foundation
Verified Credential

WordPress Certification — Coursera
Certificate