

Aayush Dahal

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PROFESSIONAL SUMMARY

Python Backend Developer with hands-on experience building production-grade REST APIs using FastAPI and PostgreSQL. Delivered AI-driven backend systems for resume screening and interview preparation by integrating NLP models, authentication, and third-party APIs. Strong foundation in async Python, API performance optimization, and scalable backend architecture.

EDUCATION

Tribhuvan University

Bachelor of Science in Computer Science and Information Technology

Kathmandu, Nepal

April 2022 – Present

EXPERIENCE

CurioTech Private Limited

Python Backend Developer

Kathmandu, Nepal

Jan, 2026 – April 2026

- Developed and maintained backend APIs using FastAPI and PostgreSQL for real-world applications.
- Worked on web scraping solutions using BeautifulSoup, Requests, and Selenium to extract structured data.
- Learned and implemented WordPress for building and managing business websites.
- Collaborated with frontend and design teams to deliver complete web solutions.
- Improved API performance and handled data processing tasks efficiently.
- **Internship Certificate:** [View Certificate](#)

TECHNICAL SKILLS

Programming Languages: Python, Java

Backend Frameworks: FastAPI, Django

Databases: PostgreSQL, MySQL

Web Scraping: BeautifulSoup, Requests, Selenium

CMS: WordPress

Tools & Platforms: Git, GitHub, Postman, Supabase, NeonDB, Docker

PROJECTS

AI-Powered Resume Screening System

FastAPI, PostgreSQL, TF-IDF, Word2Vec, SBERT

- Built a scalable backend system to automate resume-to-job matching using NLP-based similarity scoring.
- Improved candidate relevance scoring by 30–40% using semantic matching techniques.
- Implemented cosine similarity ranking and JWT-based authentication.
- Optimized APIs to achieve sub-300ms response time.

PrepSmart.ai

FastAPI, Supabase, Google Gemini API

- Developed backend APIs for an AI-driven interview preparation platform.
- Integrated Supabase authentication and database services.
- Built an AI chatbot using Gemini API for interview preparation.

[Live Site](#)

Peace Garden Restaurant Thecho — Garden Dining Lalitpur

WordPress, UI Customization, Business Website Development

- Developed and customized a WordPress-based website for a local restaurant.
- Designed responsive UI and optimized user experience.
- Handled content management and basic SEO optimization.

[Live Site](#)

CERTIFICATIONS & TRAINING

Introduction to Linux (LFS101) — The Linux Foundation

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WordPress Certification — (Coursera)

[View Certificate](#)