

Laxmi Khanal *Backend Programmer*

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Profile

I am a Backend programmer with about 1 year of hands-on experience building scalable, production-ready APIs and server-side applications using Python, Django, and NestJS and REST Framework. I have worked with Node.js, Express.js, and TypeScript, focusing on performance optimization, secure authentication, and clean, maintainable architecture.

Professional Experience

11/2025 – 02/2026

Django Developer Intern

elza.fun (Solana) 🌐

- Built and maintained Django-based web applications, following MVC patterns and best practices for scalability and maintainability
- Optimized SQL queries and database schemas, improving data retrieval performance for high-volume datasets

Skills

NodeJS, NestJS, TypeScript, Prisma, Zod, Linux, Ubuntu, Bash

Python, Django, Django Rest Framework, Django ORM, FastAPI, Pydantic, BeautifulSoup

ReactJS, Javascript, TailwindCSS, ShadCN UI, CSS

MySQL, PostgreSQL, SQLite, Git, Github, Notion

Education

01/2023 – Present

Bsc. Computer Science and Information Technology

Butwal

Lumbini City College, Tribhuvan University

I studied computer fundamentals, programming (C, OOP, Python, Java), mathematics, digital logic, data structures, algorithms, DBMS, operating systems, software engineering, and computer networks. I also focused on advanced topics such as artificial intelligence, cybersecurity, distributed systems, mobile application development, computer graphics, project management, and technical writing.

10/2020 – 05/2022

+2 Science (Computer Science)

Butwal

New Horizon College

Activities and societies: Studied +2 Science, explored the art of physics, and followed my passion for mathematics. It was at NHC that I first immersed myself into the world of computer science and programming.

Organisations

05/2025 – Present

CSIT Association of Nepal - Rupandehi

Butwal

Vice President

I served as the Vice President of the CSIT Association, where I helped organize and conduct bootcamps and workshops for students. I mentored juniors in programming, best practices, and guided them in building strong technical foundations.

Projects

WorkBloom - Job Portal and Recruitment System

- Developed **WorkBloom**, a job portal and recruitment system that helps job seekers find relevant opportunities and assists recruiters in efficiently managing applications, using Next.js for the web and Django/Django REST Framework for the server.
- Implemented personalized job recommendations through collaborative filtering algorithms and application grouping using K-Means clustering based on candidate fit and other metrics, improving matching efficiency and decision-making for both candidates and recruiters.

Courses

05/2025 – 08/2025

100 Days of Code: The Complete Python Pro Bootcamp

Udemy

Completed **100 Days of Code: The Complete Python Pro Bootcamp**, where I mastered advanced Python features such as object-oriented programming, decorators, generators, context managers, and asynchronous programming. I applied these skills to build scalable, high-performance Django applications with clean, maintainable code and production-ready backend architecture.

Awards

15/10/2025

Winner and Most Innovation Award

Nepathon (Team LCC)

- Developed an interactive, gamified educational platform targeting **Grade 11 & 12 students** to make chemistry engaging and accessible
- Built **chemical reaction simulations** enabling students to visualize and interact with reactions in a virtual environment
- Designed game mechanics to reinforce chemistry concepts, improving student engagement and retention