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Profile

Highly motivated Computer Engineering student with strong foundations in programming, full stack development, artificial intelligence, and system design. Passionate about building scalable applications and intelligent systems. Seeking opportunities to apply technical expertise, learn advanced technologies, and contribute to impactful real world projects.

Education

Bachelor in Computer Engineering (BE), National College of Engineering, IOE, TU

07/2022 – present

Lalitpur, Nepal

Hands-On Experience

- Languages: C, C++, JavaScript, Python
- Frontend: HTML, CSS, Tailwind CSS, React.js, Angular.js
- Backend: Node.js, Express.js, NestJS
- AI and Machine Learning: RAG, Transformer models, Vector Databases, TTS pipelines
- Tools and Technologies: Git, Docker, Postman, PostgreSQL, MongoDB

Professional Experience

Full Stack Developer Intern

Next In Tech Pvt Ltd

01/2026 – Present

Kathmandu, Nepal

Freelance Full Stack Developer

Self-Employed

06/2025 – 12/2025

Lalitpur, Nepal

Projects

Major Project: Nepali Text to Speech System (Ongoing): [Nepali Text to Speech](#)

Developing a high-performance Nepali Text-to-Speech (TTS) system that generates natural, intelligible speech from Nepali text input. The system combines Transformer-based sequence modeling (FlashAttention-2) with EnCodec neural audio decoding to synthesize high-quality audio efficiently. The audio data is sourced from Nepali-language YouTube videos.

Minor Project: HealthGPT: [HealthGPT](#)

Developed a disease prediction chatbot capable of identifying common medical conditions using Multi Agent RAG architecture.

Multiuser Chat Application: [ChatApp](#)

A real time communication platform built using the MERN stack. Features include user registration, authentication, live messaging, profile updates, and a responsive interface.

Evaluation Management System: [MgmtSys](#)

A full stack system for managing evaluations and feedback. Includes role-based access, form submissions, scoring logic, and user profile operations.

Expense Tracker Application

A CRUD based web application designed to help users manage and record daily expenses. Implements secure authentication, dynamic dashboards, and data visualization components.

Certification

Docker, AI Engineering*Udemy***MERN Development***TechAxis*