About Me – Gaurab Wagle (Full Personal & Professional Profile)

Personal Information

My name is Gaurab Wagle. I am a Computer Science student from Nepal, passionate about technology, AI, and building applications that solve real-world problems, especially in agriculture, environments, and my home country. I often hike a lot, going to random hills and enjoying nature. I play guitar well and have always dreamed of becoming a YouTuber or Instagrammer—I have around 400 subscribers on my YouTube channel where I share guitar music and used to vlog in a funny way. I've tried a lot of things in life. I was previously a STEM tutor. I speak Nepali (native) and English (fluent). My YouTube channel for guitar and music is @windx805.

Core Values & Mission

I believe in using technology to create positive impact, such as improving access to opportunities in Nepal through AI and web development. I'm driven to learn new skills continuously—my X bio says "Trying to add a new feature to myself." I aim to contribute to startups, open-source, and projects that foster education, sustainability, and community development. I care deeply about Nepal, nature, and political reformation. I highly admire brilliant foreigners and am highly ambitious, though I often feel depressed about everything and get confused about things a lot. My ultimate goal is to create startups that provide employment to village people in Nepal, reducing the need for foreign employment. I always wanted to create a startup and have made a fundraising app. I like to help friends rather than see them as competitors—growing and learning with them is much better. I also enjoy economics, the stock market, and related topics.

Education

- B.Sc. in Computer Science, Kathmandu University (8th Semester, ongoing as of October 2025)
- +2 in Science, Capital College and Research Center (CCRC), Nepal

Technical Skills

Comfortable With

- React/Next.js
- TypeScript
- Tailwind CSS
- ORMs (e.g., Drizzle ORM, Prisma)
- Docker
- Relational Databases (e.g., PostgreSQL)
- Non-Relational Databases (e.g., MongoDB, Supabase, Firebase)
- Vector Databases (e.g., Pinecone)
- LangChain
- Retrieval-Augmented Generation (RAG)
- TanStack Query
- Migrations
- AWS/Cloud Services

Currently Learning

- learning Arch linux and using Omarchy, its fun using linux
- Python
- Deep Learning
- Transformers
- Natural Language Processing (NLP)
- DevOps
- Linux (including distributions like Omarchy/Arch)
- neoVim (browser extension for Vim-like navigation)
- AWS/Devops

Work & Internship Experience

- Internship at Arbyte Solutions: Full Stack Web Development (during 7th semester)
- Besides technical i have earlier experience as a STEM tutor too

Major Projects

HikeBud – AI Trek Recommendation Platform for Nepal (2025)

- Built with React, TypeScript, LangChain, FastAPI, Gemini API
- A full-stack application recommending treks in Nepal based on budget (in NPR), duration, difficulty, and region
- Features: Natural language chat interface, RAG pipeline with curated trek dataset, vector search using Pinecone
- Deployed on Vercel (free tier, may load slowly): https://hikebud-self.vercel.app/
- Inspiration: Personal love for trekking in Nepal's mountains

Task Mate / Personal Note Taking App – Task Management App

- Built with TanStack Query, Zustand, Zod/Supabase, MongoDB/NodeMailer, Express
- A todo/task management app for managing tasks with email notifications

- Deployed on Vercel: https://task-mate-a-todo-app.vercel.app/

A fundraising APP of Nepal

- Built with NextJs, Postgres, CDN backend and libraries
- QR sharing platform for Nepal
- yet to buy domain and deploy but will happen soon

Namaste Homestay Website

- Built with Next.js, Firebase
- Website for a homestay service in Nepal
- Deployed on Vercel: https://namaste-homestay.vercel.app/

Personal Blogs and Website

- Personal website integrated with Hashnode via GraphQL
- Blogs on tech topics, development, and personal insights
- Website: https://gaurabwagle.com.np
- Hashnode: https://gxaurab.hashnode.dev/

Open Source Contributions

- DevOps Kathmandu Connect website
- The Odin Project's curriculum
- Seeking more open-source projects to contribute to

Currently Involved

- Group project with peers from Kathmandu University: Nepal's Fundraising Platform
  - Tech stack: Next.js, Rust (for CDN), PostgreSQL, Oracle
  - Expected to go live in November 2025 (as of October 2025 update)
- Coursera courses of devops and Deep Learning Course and Certification (ongoing)

Other Projects & Ideas from Conversations

- Building a personal RAG chatbot application using LangChain, Next.js, Pinecone, and Google Gemini to chat about my profile, CV, and experiences
- Explored ideas for startups in Nepal, including AI for social good (e.g., education, environment, community fundraising)
- Interest in weed detection AI for Nepali farmers (early project)
- platform for pets (dogs, cats), their social media to find walking partners. Showing love to pets
- Aspirations to work on AI research, fine-tuning models, prompt engineering, and integrating AI with web apps
- Fundraising app for Nepali citizens (built during early college)

Certifications

- DataCamp: Associate Data Analyst Certification
- DataCamp: SQL Associate Certification
- Stanford Online: Supervised Machine Learning - Regression and Classification
- Ongoing: Coursera deeplearning.ai Certification

Achievements & Interests

- Self-taught much of my tech stack, including AI/ML tools in the last 1-2 years
- Active in open-source and seeking more contributions
- Exploring DevOps, Linux distributions (e.g., Omarchy, Arch), and tools like Vimium for productivity (Vimium is life-changing!)
- Music: Play guitar and have a YouTube channel (@windx805)
- Carpentry: Personal projects
- Hiking and nature: Frequent hikes to random hills in Nepal
- Political engagement: Active on X discussing Nepali politics, criticizing leaders/media (e.g., Balen, Kantipur), anti-monarchy views (strongly against monarchy restoration efforts), debates on governance and protests
- Enjoy podcasts (e.g., recommended one on YouTube: https://www.youtube.com/watch?v=tNZnLkRBYA8)
- Fun facts: Ambitious but deals with depression and confusion; tried vlogging humorously; admire brilliant innovators

Social Media & Online Presence

- GitHub: https://github.com/gxaurab
- X (Twitter): https://x.com/Gxaurab (Bio: "Trying to add a new feature to myself"; 33 followers; Recent activity includes tech discussions on Omarchy/Arch Linux, Vimium, Nepali politics/protests, and interactions with tech influencers like ThePrimeagen)
- LinkedIn: https://www.linkedin.com/in/gaurab-wagle-35a402229/
- Portfolio/Blogs: https://gaurabme.vercel.app/
- Hashnode: https://gxaurab.hashnode.dev/
- YouTube: @windx805 (Guitar/Music, ~400 subscribers)

What I'm Looking For

- Opportunities in AI/ML research, software engineering, or startups focused on social good in developing countries like Nepal (e.g., agriculture, environment)
- Mentorship in deep learning, transformers, and open-source contributions
- Roles involving full-stack development with AI integration (e.g., RAG systems, chat apps)
- Collaborations on Nepal-focused tech projects (e.g., fundraising platforms, trek apps, startup ideas)

Contact

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This document compiles information from my CVs (updated October 30, 2025), social media profiles (as of November 25, 2025), and personal conversations. It's structured for easy RAG retrieval—sections act as natural chunks. Load with LangChain's Markdown loader, split recursively, embed with Gemini, and store in Pinecone for your chat app.