Sourabha K H

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SUMMARY

A final-year engineering student with hands-on experience in building scalable web applications and AI-integrated systems. Skilled in the MERN stack, Next.js, and Python-based backend frameworks, with working knowledge of GenAI tools like LangChain, Ollama, and vector databases. Familiar with Agile development, version control, and cross-functional collaboration. Eager to contribute to fast-paced environments and grow as a full stack or AI-focused developer.

EXPERIENCE

Desi Creative Group | Fullstack Developer Intern　　　　　　　　　　　　　　　April 2025 - July 2025

- Built modular, reusable UI components with **Next.js** and **Tailwind CSS** to ensure scalability and maintainability.
- Implemented dynamic features such as dashboards, profiles, and CRM modules by integrating with **RESTful** APIs from a **NestJS** backend.
- Refactored large components into smaller, testable modules and contributed to backend API testing using **Postman, Supabase, and Prisma.**

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, C
- **Full-Stack:** React.js, Next.js, Node.js, Express.js, NestJS, Flask
- **Database, Tools:** MongoDB, PostgreSQL, Supabase, Git, Docker, REST APIs, JWT, Postman
- **AI & LLM Tools:** LangChain, Ollama, Hugging Face, Vector Databases, Prompt Engineering

PROJECTS

Matchly – Smart Resume Matching | View Project

- AI tool that checks how well a resume matches a job description and creates personalized cover letters.
- Built a web app where users upload resumes and job descriptions to get match scores and AI-generated cover letters; connected frontend and backend with smooth data flow and deployed via Docker.
- **Tech Stack**: Next.js, Shadcn UI, FastAPI, Python, LangChain, Ollama, ChromaDB, Docker

Homestay Booking Platform | View Project

- Built a full-stack platform enabling property owners to list homestays and users to search, view, and book securely.
- Implemented user authentication, role-based profile management, and an admin panel for managing users, listings, and bookings.
- **Tech Stack:** Next.js, Tailwind CSS, MongoDB Atlas, Express.js, REST API, JWT

AI-Driven Symptoms Analysis Platform | View Project

- Developed a symptom analysis tool using SVM for health diagnostics with real-time visualization and insights.
- Built features like user login, symptom tracking, hospital locator (Google Maps API), and PDF health reports for consultations.
- **Tech Stack:** Next.js, Flask, Python, Machine Learning, PostgreSQL, Chart.js, Axios

EDUCATION

Global Academy of Technology　　　　　　　　　　　　　　　　　　　　　　　Dec 2022 - July 2026
B.E. Artificial Intelligence & Machine Learning | CGPA: 9.08

SAP Campus Champion 2.0 | Student Ambassador　　　　　　　　　　　　　　Jan 2025 - Present
Act as a liaison between SAP and students, organizing workshops, hackathons, and tech sessions.

CERTIFICATIONS

- Associate Data Analyst in SQL - **Datacamp**
- Machine Learning Fundamentals - **Datacamp**
- React Basics - **Coursera (Meta)**