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Summary

NIT Hamirpur (JEE Main 98.8 percentile) · B.Tech Mathematics & Computing · Full-stack developer with shipped products serving 700+ users. Samvaad AI (mock interview SaaS) and Himadri (hostel platform). Proficient in MERN, GenAI (LangChain, RAG), and cloud deployment. Target to solve 350+ DSA problems in C++ by the time of Online Assessment.

Education

National Institute of Technology Hamirpur

Himachal Pradesh, India

Bachelors in Technology in Mathematics and Scientific Computing: CGPA: 8.2/10

Aug 2024 – Jul 2028

Relevant Coursework: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks

Work Experience

Co-Founder & Full-Stack Developer

Himachal Pradesh, India

SamvaadAI - AI Powered Mock Interview SaaS

Mar 2026 – Present

- Built and deployed a full-stack AI-powered mock interview platform for the college Training & Placement Cell, enabling 200+ students to practice technical and HR interviews in an automated environment.
- Integrated speech-to-text (STT), NLP, and LLM-driven question generation for dynamic, role-specific interviews with real-time feedback.
- Engineered automated performance evaluation pipeline scoring communication skills, technical accuracy, and interview readiness; delivered personalised improvement recommendations via AI-driven analytics dashboard.
- Built on MERN stack with JWT authentication, session history tracking, and scalable architecture.

Executive Member

Himachal Pradesh, India

Computer Science Engineers' Community

Sep 2024 – Mar 2026

- Organized a 48-hour hackathon with 150+ participants, managing registrations, scheduling, and participant coordination.
- Delivered an introductory Blockchain workshop to 250+ first-year students, explaining decentralization, cryptography, and differences between Bitcoin, Ethereum, and Solana.

Projects

Himadri: The All-in-One Platform : [GitHub](#) | [Live-Demo](#)

- Built a full-stack MERN hostel management platform digitizing complaints, mess menus, notices, and outpass workflows for 500+ students using RESTful APIs.
- Engineered secure role-based authentication and authorization using JWT, bcrypt, and email verification middleware for protected REST APIs. Developed 40+ REST API endpoints for complaints, notices, outpass workflows, and authentication.
- Implemented RabbitMQ-based asynchronous messaging in the mailing service, reducing API response time and improving system scalability and reliability.
- Designed real-time dashboards and APIs to automate hostel workflows, reducing manual coordination for students and staff.

EchoMind AI - Making Digital Twins : [Private Repo - Request For GitHub Access](#) | [Live-Demo](#)

- Building personalized AI replicas of individuals using their real-world digital data - conversations, voice recordings, and personal writings.
- The platform uses retrieval-augmented generation (RAG) for contextual memory, and voice synthesis models (ElevenLabs) to recreate a person's tone and personality, deployable through WhatsApp and voice interfaces using LangChain, FastAPI, and VAPI like tools.

AIO Auth NoSQL (Personal Project) : [GitHub](#) | [Package](#)

- Built a reusable Node.js authentication package using MongoDB, JWT, and bcrypt with secure login, registration, and password hashing and pushed it to the global Node Package Manager.
- Designed modular, plug-and-play authentication logic enabling quick integration into Express.js applications with role-safe access control.

Skills

Languages (Primary): C, C++, JavaScript, TypeScript, Python

Frontend: HTML, CSS, React.js, Next.js, Tailwind CSS, Bootstrap

Backend: Node.js, Express.js, Flask, FastAPI

Databases: MongoDB, PostgreSQL, MySQL, Redis

Tools & Platforms: Git, GitHub, Docker, AWS, Azure, Postman, Prisma, Clerk, Vercel, Render, Netlify, Linux

GenAI & System Design: LangChain, LangGraph, RAG, AI Agents, Kafka, RabbitMQ, Inngest

Core CS: DSA, OOP, DBMS, Operating Systems, Computer Networks

Achievements

JEE Examinations Achievement (May-2024)

- Secured 98.8 percentile in JEE Main among ~1.5 million candidates. Received Common Rank List (CRL) rank in JEE Advanced.

Certification

CS50: Introduction to Computer Science (Harvard University) Certificate

- Completed foundational coursework in C, algorithms, data structures, Flask, and problem-solving.
- Gained hands-on experience with debugging, memory management, and computational thinking.