

OMENDRA NAHARWAL

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SUMMARY

Aspiring **Software Engineer** with a strong foundation in full-stack development and AI-powered applications. Hands-on experience building projects using voice AI, real-time systems, and modern web technologies. As **Designing Head** of the **AIT Technical Board**, led design initiatives and collaborated on technical projects. Proficient in C++, Java, Python, JavaScript, and SQL, with a strong interest in AI and scalable software development.



EDUCATION

Army Institute of Technology

B.E. in Information Technology — CGPA: 9.11

Pune, Maharashtra

July 2024 – Present

Vidhya Valley Sr. Sec. School

Senior Secondary (RBSE): 91.20% | Matriculation (RBSE): 95.00%

Jodhpur, Rajasthan

PROJECTS

AI-FarmCare DevTree — Voice-Enabled Farming Ecosystem

[GitHub](#)

Next.js, React Native, Node.js, Express.js, LiveKit, Google AI

- Contributed to a multi-platform agricultural solution comprising a web app (Next.js), an AI voice agent, and an Express.js backend, built for Hackathon at Infostav.
- Built a multilingual (English, Hindi, Spanish) AI voice assistant powered by LiveKit for real-time farming guidance, navigation, and query resolution.
- Worked on farm management features including digital farm mapping, crop lifecycle tracking, AI-based plant disease detection, and live weather/market-price integration.

VoiceCare — Voice-Driven AI Clinic Assistant

[GitHub](#)

React (Vite), Node.js, Express, Socket.io, MongoDB, ChromaDB, LangChain, Gemini 2.0 Flash

- Built a real-time voice-driven AI clinic assistant that captures live audio, transcribes speech, and generates structured consultation notes automatically.
- Designed a full AI pipeline combining Speech-to-Text, an LLM processor, and a RAG engine for context-aware, chatbot-based patient Q&A.
- Implemented a real-time WebSocket architecture (Socket.io) for live transcription and dashboard updates, backed by MongoDB for patient records and ChromaDB for vector search.

TECHNICAL SKILLS

Languages: C++, JavaScript

Web Technologies: HTML, CSS, React.js, Node.js, Express.js

Databases: SQL, MongoDB

Tools & Platforms: Git, GitHub, VS Code, Postman

Design Tools: Figma, Canva

Core Concepts: Fundamentals of DSA, OOP, DBMS, Problem Solving

ACHIEVEMENTS & CERTIFICATIONS

- Actively participated in several national-level hackathons such as Infotsav (IIIT Gwalior), HackArena 2.0, Partex-AI, and Makeathon (TIET Patiala), building innovative AI and full-stack applications while strengthening problem-solving, teamwork, and rapid prototyping skills.
- Solved 600+ Data Structures & Algorithms problems across HackerRank, LeetCode, CodeChef, and other coding platforms, earning a 6★ rating on HackerRank.
- Under-14 Cricket — Certified achievements in state/district-level Under-14 cricket competitions.

LEADERSHIP

- Designing Head, AIT Technical Board** — Leading design initiatives and collaborating with cross-functional teams on technical projects and events.
- Cloud Lead, College Innovation & Development Club (CIDC)** — Organized cloud computing workshops, technical sessions, and collaborative projects while mentoring students and fostering cloud technology adoption.