

Ayush Kumar

Bengaluru, Karnataka, India

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EDUCATION

Sir M Visvesvaraya Institute of Technology

Bengaluru, Karnataka

Bachelor of Engineering in Computer Science

Sept 2024 – Oct 2028

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Computer Networks, Operating Systems

TECHNICAL SKILLS

Languages: C++, Python, JavaScript, TypeScript, SQL, HTML/CSS

Agentic AI / ML: LangChain, LangGraph, RAG, Prompt Engineering, Model Context Protocol (MCP), LLM Orchestration (Groq, Qwen), Vector DBs (ChromaDB, pgvector)

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, FastAPI

Databases: PostgreSQL, MongoDB

Developer Tools & Infra: Git, GitHub, Docker, Linux, Drizzle ORM, E2B Sandboxes, Railway, Vercel, Postman

EXPERIENCE

Co-Founder & CTO

Jan 2026 – Present

KlaerAI

Bengaluru, Karnataka

- Co-founded a student-focused platform simplifying campus life; own technical direction and full-cycle product development
- Architect and ship scalable, AI-powered web apps across academic, administrative, and student-engagement workflows

Software Developer

Wedsy (wedsy.in)

Remote

- Built REST APIs powering the Wedsy Vendor app's core booking and vendor-management flows
- Enhanced the UI/UX of the Wedsy consumer web app for a more consistent, usable experience

Open Source Contributor

July 2025 – Sept 2025

GirlScript Summer of Code (GSSoC '25)

Remote

- Shipped feature enhancements and bug fixes to live production open-source projects; collaborated through mentor-led code reviews

PROJECTS

ClawCode | *Python, LangGraph, Groq, E2B, ChromaDB* | [GitHub](#)

- Built an autonomous coding agent that lets a Telegram operator submit text/voice tasks to inspect a repo, edit code, and run tests end-to-end
- Ran tests in isolated E2B sandboxes with retry loops and human-approval gating before PRs; Qwen3-32B on Groq, Whisper voice input, ChromaDB context

Codebuddy | *TypeScript, PostgreSQL, pgvector, MCP, HuggingFace* | [npm](#)

- Published an open-source npm package: a Postgres-native memory server for multi-agent LLM systems over the Model Context Protocol (MCP)
- Built semantic long-term memory with pgvector + HuggingFace and native LangGraph integration; typed ESM library + CLI with Drizzle ORM and Vitest tests

NaiUdaan | *Next.js, Node.js* | Library Seat & Slot Booking Platform | [Frontend](#) | [Backend](#)

- Built a full-stack system for students to reserve study seats monthly and book specific study time slots
- Designed seat/slot availability and booking logic that eliminates manual reservation overhead for the library

Debsoc | *Next.js, Node.js* | [smvitdebsoc.com](#)

- Built SMVIT debating club's official site: public promo pages, member dashboard, and admin tooling
- Added an automated debate pairing system that matches students, removing manual pairing effort and cutting setup time

Axiom | *Next.js, Node.js* | Debate Competition Automation Platform | [GitHub](#)

- Built the web app running Debsoc's flagship *Axiom* debate competition, used by 100+ participants
- Automated speaker scoring, room allotment, and opponent assignment, replacing slow manual data entry

CERTIFICATIONS & ACHIEVEMENTS

LeetCode: Solved 290+ Data Structures & Algorithms problems — [@ayushkumar320](#)

Udemy: Full Stack Web Dev — Agentic AI

Google: Prompting Essentials; Introduction to Generative AI | **Advanced C++:** Beginner to Advanced (Deep Dive)