

AYUSH CARPENTER

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Education

Degree/Certificate	Institute	GPA/%	Year
B.Tech(CSE)	Indian Institute of Information Technology, Kota	7.80	2023 – Present
Senior Secondary	St. John's School, Jhalrapatan	92.4%	2022
Secondary	St. John's School, Jhalrapatan	87%	2020

Projects

- 1. Wealthwise 🧠: "AI Finance Platform"** | *React 19, Next.js 15, Tailwind CSS, Supabase, Prisma, Clerk Authentication*
 - Built AI-driven financial insights & predictions for user spending and savings.
 - Developed an interactive React dashboard with real-time data visualizations.
 - Implemented secure full-stack system with auth, APIs, and database integration.
- 2. MediCare 🧠: "Bringing healthcare to rural areas."** | *Next.js, React, TypeScript, Node.js, Prisma, PostgreSQL*
 - Built a full-stack healthcare web application enabling patients to book appointments, consult doctors online, and manage medical records digitally.
 - Implemented real-time video consultation with appointment-based access, automated session summaries, and secure medical record generation.
 - Developed AI-powered prescription scanning and health chatbot features to interpret handwritten prescriptions, suggest precautions, and improve patient understanding.
- 3. VersionVista 🧠: "Visualizing GitHub code evolution."** | *React.js, Node.js, Express.js, MongoDB, Simple-Git*
 - Interactive commit timeline with repository evolution playback.
 - Commit difference analysis with file-level and line-level change tracking.
 - Visual dashboard featuring commit tree, file explorer, and code viewer.

Technical Skills

Programming Languages: C/C++, Python, JavaScript, SQL, Java

Frontend Technologies: HTML, CSS, JS, ReactJS, Next.js, Tailwind CSS

Backend and Databases: Node.js, Express.js, MongoDB, PostgreSQL, REST APIs, FAST APIs

AI/ML & GenAI: LLMs, RAG, Agentic AI, OCR/NLP Workflows

Cloud & DevOps: AWS, Docker, DevOps

Developer Tools/ Version Control: VS Code, Git, GitHub

Operating Systems: Windows, Linux

Coding Profiles

LeetCode: Solved 550+ problems and achieved Knight Badge on LeetCode with 1928 rating.

GeeksforGeeks: Solved 250+ problems, covering a wide range of DSA concepts and competitive programming.

CodeChef: Achieved a 3-Star rating, demonstrating strong proficiency in competitive programming.

Relevant Coursework

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|---------------------------|------------------------|------------------------------------|-------------------------|
| • Data Structures | • Software Methodology | • Algorithms Analysis | • Database Management |
| • Artificial Intelligence | • Operating Systems | • Object Oriented Program-
ming | • Computer Architecture |

Experience

- Frontend Developer Intern — Gyanama
- Ranked among the top 50 teams out of 950+ competitors in the prestigious Oddo Hackathon at IIT Gandhinagar!
- Achieved state-level recognition in Badminton, demonstrating dedication, discipline, and a competitive spirit.