

ASMI VATS

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EDUCATION

Vellore Institute of Technology (VIT) UNIVERSITY

B.Tech in Computer Science and Engineering.
GPA: 9.12

Bhopal, Madhya Pradesh

2022- 2026

Goethals Public School (Std 12) GPA: 9.12

Bhagalpur, Bihar

DAV Public School (Std 10) GPA: 9.52

Bhagalpur, Bihar

WORK EXPERIENCE

OS CODE

Aug 2024- Dec 2024

Full Stack Intern (Remote)

- Developed and optimised a Learning Management System (LMS) using MongoDB, Cloudinary, Node.js, and React, improving load time and enhancing user experience.
- Engineered an intuitive Admin Panel that linked backend APIs to the React frontend, facilitating real-time data synchronisation, which reduced response times during administrative tasks.

TECHNICAL SKILLS

Programming Languages: C, C++, JavaScript, TypeScript, HTML, CSS, React.js, Tailwind, Node.js

Tools & Technologies: MySQL, MongoDB, Redis

PROJECTS

FLOW TRACKER-WOMEN'S HEALTH & CYCLE TRACKER (Full Stack)

May 2025 – June 2025

- Built a full-stack hormonal health tracker with React (TypeScript) and Hono backend, using Prisma ORM to manage database interactions for user cycle data.
- Deployed edge-optimized backend on Cloudflare Workers (Hono + Prisma) and frontend on Vercel, ensuring low-latency global access.
- Delivered personalized health insights by analyzing user-input cycles, improving wellness awareness via a responsive UI.

VS CODE COMMENT GENERATOR (Full Stack)

June 2025 – June 2025

- Developed a VS Code extension leveraging Gemini AI and Redis caching to auto-generate/improve code comments, cutting documentation time by 70%.
- Enhanced comment relevance by dynamically adjusting API prompts based on code context and type.
- Streamlined development using TypeScript and Yeoman for robust and efficient extension architecture.

HIRE EASY (Full Stack)

Nov 2024 – Dec 2024

- Built a hiring platform using React, TypeScript, Node.js, MongoDB, and Twilio, connecting job seekers with employers.
- Enabled real-time communication by integrating Twilio for direct HR-to-candidate phone sessions.

POSITION OF RESPONSIBILITY

TECHNICAL TEAM LEAD (Software Development Club)

- Conducted workshop and hackathon with 50+ participants, fostering collaboration and innovation.

TECHNICAL TEAM LEAD (MetaVersity Club)

- Lead technical team in virtual reality games with 100+ college students being participants.

CONTENT TEAM LEAD (Fine Arts Club)

- Led the content team in creating engaging materials for events, social media, and enhancing the club's reach.

ACHIEVEMENTS

- Awarded UG scholarship from Reliance Foundation, was in the top 5000 out of 100,000 participants.
- Achieved selection as one of the top 500 students for the prestigious Ericsson Edge Academia Program.

CERTIFICATIONS

- 100xdevs Full Stack Web Development Course
- Bits and Bytes of Computer Networkings by Google