

# ASMI VATS

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## EDUCATION

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### 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

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### 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

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

**Tools & Technologies:** MySQL, MongoDB, Redis

## PROJECTS

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### 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

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### 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

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- 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

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