

Ishan Amrit Srivastava

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EDUCATION

Vellore Institute of Technology
B.Tech in Computer Science

Expected May 2026
CGPA: **8.54 / 10**

Relevant Coursework: Data Structures & Algorithms, Database Systems, Operating Systems, Computer Networks

TECHNICAL SKILLS

Programming: C++, Java, Python, JavaScript
C++ Concepts: OOP, STL (vector, map, set), File Handling, Memory Management, Exception Handling, MySQL Connectivity
Frontend: React.js, Tailwind CSS, Redux
Backend: Node.js, Express.js, RESTful APIs, MongoDB, MySQL
Cloud & DevOps: AWS, Render, Vercel, Cloudinary
Testing & Tools: Postman, Git, VS Code

PROJECTS

Library Management System (C++ + MySQL) *Jul 2024 – Aug 2024*

- Built a complete library management system using **C++**, **OOP**, and **MySQL Connector/C++**.
- Implemented modules for book inventory, member records, issue/return tracking, and fine calculation.
- Utilized **STL containers** (vector, map) and file handling for efficient data management.
- Applied **SQL joins, indexing, and constraints** to ensure optimized and consistent database operations.
- Designed modular class architecture using inheritance, abstraction, and exception handling.

Tech Stack: C++, OOP, STL, MySQL, MySQL Connector/C++, File Handling

AI-Powered Interview Coach Platform *(Full-Stack Web App — In Progress)* *Sep 2025 – Present*

- Developing an AI-driven platform that simulates mock interviews through coding, resume, and voice-based Q&A modules.
- Architected modular REST APIs with **Node.js** and **Express.js** to handle interview flow, user sessions, and report generation.
- Designed optimized **MongoDB schemas** to store user performance metrics and AI feedback efficiently.
- Integrated **Cloudinary** for scalable media handling and automated storage.
- Deployed frontend on **Vercel** and backend on **Render**.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Cloudinary, JWT

Job Board Platform *(Full-Stack Web App)* *Jan 2025 – Mar 2025*

- Built a full-stack recruitment portal with dashboards for recruiters and candidates supporting complete job lifecycle management.
- Implemented **JWT-based authentication** and **role-based access control** for secure APIs.
- Optimized **MongoDB queries** and Express routes, improving response times by 30%.
- Automated async file uploads with **Cloudinary SDK**, enabling efficient resume and logo handling.

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Cloudinary, Tailwind CSS

ACHIEVEMENTS

- **Finalist, Tata Elxsi Teliport Hackathon:** Selected among top teams for presenting an innovative technical solution.
- **Winner, MERN Stack Hackathon (VIT Bhopal):** Secured 1st place for building a scalable web application.
- **Runner-up, Health Hack Hackathon (VIT Bhopal):** Awarded 2nd place for developing a healthcare prototype.
- Solved **500+ DSA problems** across coding platforms including LeetCode and GeeksforGeeks.
- **Design Co-Lead, ELA:** Led visual design for 10+ campus events, increasing engagement by **25%**.