

Ishan Amrit Srivastava

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EDUCATION

Vellore Institute of Technology B.Tech in Computer Science	CGPA: 8.54 / 10	Expected May 2026
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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%.