Ishan Amrit Srivastava

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EDUCATION

VIT Bhopal University, Bhopal, Madhya Pradesh Expected May 2026
B.Tech in Computer Science CGPA: **8.52 / 10**

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

TECHNICAL SKILLS

Programming: C++, Java, Python,JavaScript
Frontend: React.js, Next.js, Tailwind CSS, Redux
Backend: Node.js, Express.js, RESTful APIs, MongoDB, MySQL
Cloud & DevOps: AWS, Render, Vercel, Cloudinary, CI/CD (GitHub Actions)
Testing & Tools: Postman, Git, VS Code

PROJECTS

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 **AWS** and **Cloudinary** for scalable media handling and automated cloud storage management.
- Deployed the frontend on **Vercel** and backend on **Render** with CI/CD pipelines for faster iteration and testing.

Tech Stack: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, AWS, 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**, securing all API endpoints.
- Optimized **MongoDB queries** and Express routes, improving response times by 30%.
- Automated async file uploads with **Cloudinary SDK**, enabling efficient resume and logo handling.
- Deployed the stack on **Render** with CI/CD integration for reliable, continuous delivery and updates.

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

Breast Cancer Detection App *(AI-Powered Mobile App)* *Apr 2024 – Jun 2024*

- Developed a **Flutter** application that predicts breast cancer likelihood using deep learning-based CNN models.
- Trained models using **transfer learning (VGG16)** on medical datasets, achieving approximately **90% accuracy**.
- Designed a minimal UI/UX for rapid medical input and clear, accessible prediction visualization.

Tech Stack: Flutter, Dart, CNN, VGG16

ACHIEVEMENTS

- Design Co-Lead, ELA – led visual design for 10+ campus events, increasing event engagement by **25%**.
- Solved **500+ DSA problems** across various coding platforms.

ADDITIONAL INFORMATION

- **Languages:** Hindi (Native), English (Fluent)
- **Interests:** System Design, Scalable Web Architecture, Cloud Infrastructure, AI-driven Automation