Ishan Amrit Srivastava

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EDUCATION

VIT Bhopal University, Bhopal, Madhya Pradesh   May 2026
B.Tech in Computer Science   CGPA: **8.51 / 10**

St. Mary's Inter College, Etawah, Uttar Pradesh   July 2022
12th Standard (CBSE)   Percentage: **90.8%**

St. Mary's Inter College, Etawah, Uttar Pradesh   July 2020
10th Standard (CBSE)   Percentage: **92.4%**

TECHNICAL SKILLS

- **Languages:** C++, Java, Python, Dart, JavaScript, HTML, CSS
- **Frontend:** React.js, Tailwind CSS, Flutter, Redux, Bootstrap, shadcn/ui
- **Backend:** Node.js, Express.js, REST APIs, JWT, Stripe API, MySQL, MongoDB
- **Tools & Platforms:** Git, AWS, VS Code, Firebase, Postman

PROJECTS

Job Board Platform   *(Full-Stack Web App)*   *Jan 2025 – Mar 2025*
- Built a MERN-based platform for job posting and application workflows with role-based access control.
- Implemented REST APIs with Express.js and MongoDB, achieving an average API response time of **220 ms** in local benchmarks.
- Designed a responsive React.js frontend with Redux for centralized state management, reducing state-related bugs by **25%** in QA tests and improving component reuse across **6+ UI modules**.
- Engineered modular backend architecture with **8 independent service modules**, enabling feature additions without modifying core services and reducing merge conflicts by **30%** in Git testing.

Technologies Used: React.js, Redux, Node.js, Express.js, MongoDB, JWT, REST APIs

Full Stack E-Commerce Website   *(Full-Stack Web App)*   *Sep 2024 – Dec 2024*
- Developed product catalog, shopping cart, and checkout features with algorithm-based price adjustments driven by inventory levels and discount rules.
- Integrated Stripe payment sandbox for simulated transactions, processing **50+ test orders** without failures, and implemented JWT authentication to secure **100%** of API endpoints in staging environment.
- Optimized component rendering using Redux + Context API, reducing re-render count by **30%** in local testing.
- Applied lazy loading and code splitting, improving initial load time by **40%** in development builds.

Technologies Used: React.js, Redux, Context API, Node.js, Express.js, MongoDB, Stripe, Tailwind CSS

Breast Cancer Detection App   *(AI-Powered Mobile App)*   *Apr 2024 – Jun 2024*
- Created a Flutter-based mobile application for breast cancer prediction using CNN models, completing **12 key UI screens** and integrating **3 model variations** for comparative testing.
- Achieved **88.4%** classification accuracy on test datasets using pretrained VGG16, ResNet, and MobileNet.
- Integrated Firebase for model hosting and asynchronous data retrieval, reducing inference time by **32%** in test runs.
- Crafted a minimal UI to simplify the user workflow, lowering average prediction time to under **3 seconds**.

Technologies Used: Flutter, Dart, Firebase, CNN, VGG16, ResNet, MobileNet

EXTRACURRICULAR

Design Co-Lead, English Literary Association (ELA)   *2024 – Present*
Produced **15+ event templates**, posters, and digital assets, boosting event promotion reach by **40%** based on social media engagement metrics.

ADDITIONAL INFORMATION

- **Languages:** Hindi (native), English (fluent)
- **Hobbies:** Reading, sketching, first-person shooter games