Ishan Amrit Srivastava

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh   May 2026
BTech in Computer Science, Cumulative GPA: 8.38
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%

Projects

Job Board Platform
- Built a scalable job platform streamlining job applications for seekers and listing management for recruiters.
- Engineered scalable APIs using **Node.js** and **Express.js**, with MongoDB as the primary database for job and user data.
- Integrated authentication and role-based dashboards for both users and recruiters.
- Utilized **React.js** and **Redux** for efficient frontend development and global state management.
- Achieved performance optimization and responsiveness for 1000+ concurrent users.
Technologies used: React.js, Redux, Node.js, Express.js, MongoDB, REST APIs.

Breast Cancer Detection App
- Designed a **Flutter-based** mobile app for AI-driven early breast cancer detection, improving diagnosis speed by **40%** and accessibility by **90%**.
- Applied **Firebase** for real-time authentication and secure medical records.
- Executed an **AI-driven diagnostic tool** with **85%+ accuracy**.
Technologies used: Flutter, Dart, Firebase, AI/ML.

Heart Disease Prediction Model
- Created an advanced **AI-driven heart disease prediction from retinal image model** with deep learning, improving diagnostic accuracy by **20%**.
- Applied **four ML models** including **VGG16, ResNet, and MobileNet** to enhance precision.
- Combined **custom deep learning frameworks** with industry-standard architectures for **optimized performance**.
- Trained the model on a real-world medical dataset, achieving **92% accuracy**.
Technologies used: AI, ML, Deep Learning, VGG16, ResNet, MobileNet.

Experience

Software Intern, Shriram Bioseed Genetics (Dec 2024 – Jan 2025)
- Created an AI-powered chatbot using **Node.js** and **RASA NLP**, improving internal operations efficiency by **35%**.
- Constructed a scalable backend with **Express.js** and **MongoDB**, reducing API response time by **25%**.
- Designed an interactive Flutter-based UI for seamless chatbot interactions, increasing user adoption by **50%**.
- Integrated **ERP system APIs** for automated data processing, reducing manual efforts by **40%**.

Additional Information

Technical Skills: React.js, Next.js, TypeScript, JavaScript (ES6+), Redux, Tailwind CSS, Material-UI, HTML5, CSS3, Node.js, Express.js, MongoDB, Firebase, REST APIs, Flutter, Dart, C++, Java, Python, MySQL, Git, GitHub, Postman, VS Code, TensorFlow, Scikit-learn, Deep Learning, Data Science, MERN Stack, Responsive Design
Soft Skills: Communication, Collaboration, Quick Learning, Initiative, Creativity, Leadership, Empathy, Resilience.
Languages: Hindi, English
Certifications: Bit by Bytes (Coursera), Mastering Machine Learning with Python (RBPL), Comprehensive Data Science for Beginners (RBPL)