

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

Full-Stack E-Commerce Website

- Developed a high-performance full-stack e-commerce platform using **React.js**, **Next.js**, and **Node.js**, handling over **500 visitors simultaneously**.
- Implemented a **MongoDB-powered product search**, reducing query time by **40%**.
- Integrated **Stripe** for secure payments, achieving a **98%+ successful transaction rate**.
- Enhanced UI/UX with **Material-UI**, increasing user engagement by **30%**.

Technologies used: React.js, Next.js, TypeScript, TailwindCSS, Material-UI, Node.js, Express.js, MongoDB, Stripe,.

Breast Cancer Detection App

- Developed a **Flutter-based** mobile app for AI-driven early breast cancer detection, improving diagnosis speed by **40%** and accessibility by **90%**.
- Integrated **Firebase** for real-time authentication and secure medical records.
- Implemented an **AI-driven diagnostic tool** with **85%+ accuracy**.

Technologies used: Flutter, Dart, Firebase, AI/ML.

Heart Disease Prediction Model

- Built an advanced **AI-driven heart disease prediction from retinal image model** with deep learning, improving diagnostic accuracy by **20%**.
- Implemented **four ML models** including **VGG16**, **ResNet**, and **MobileNet** to enhance precision.
- Combined **self-implemented 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)

- Developed an AI-powered chatbot using **Node.js** and **RASA NLP**, improving internal operations efficiency by **35%**.
- Created 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, Redux, TypeScript, JavaScript (ES6+), Tailwind CSS, Material-UI, Node.js, Express.js, MongoDB, REST APIs, Flutter, Dart, C++ , Java, Python, MySQL, Machine Learning, Data Science, MERN Stack, Android Development.

Languages: Hindi, English

Certifications: Bit by Bytes (Coursera), Mastering Machine Learning w/ Python (RBPL), Comprehensive Data Science for Beginners (RBPL).