

Sparsh Jain

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Skills

Languages: C++, Java, SQL, JavaScript, Python

Web Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), HTML, CSS, Bootstrap CSS

Libraries, Tools & Frameworks: Tensorflow, Git, Netlify and Render

Education

Vellore Institute of Technology, Bhopal, B.Tech in Computer Science & Engineering **CGPA: 9.08/10** (Sept 2023- Present)

XII (CBSE), St. Joseph's Convent Sr. Sec. School, Sagar, Madhya Pradesh 87.8% (2023)

X (CBSE), St. Joseph's Convent Sr. Sec. School, Sagar, Madhya Pradesh 96.8% (2021)

Experience

Web Development Intern, Ethnus May 2025 – July 2025

- Developed full-stack web applications using MongoDB, Express.js, React.js, and Node.js (MERN).
- Built and deployed responsive web interfaces with React.js ensuring cross-browser compatibility.
- Designed RESTful APIs and integrated backend services using Node.js and Express.js.
- Managed data storage and retrieval using MongoDB.
- Collaborated with mentors to debug, test, and optimize applications, improving performance and scalability.

Projects

True Care – Hospital Management System (MERN) github.com/Sparsh0227/Hospital-Management-System

- Developed a full-stack hospital management application using MongoDB, Express.js, React.js, and Node.js.
- Implemented features for patient registration, appointment scheduling, doctor management, and medical records.
- Designed RESTful APIs for handling patient and staff data with CRUD operations.
- Deployed the application on Netlify ensuring accessibility and scalability. (hms-truecare.netlify.app)

HemoTrace – Fast and Non-invasive Blood Group Detection

- Engineered an AI-powered system to detect blood groups through fingerprint analysis, offering a fast and non-invasive alternative to traditional methods.
- Achieved 92% model accuracy using Convolutional Neural Networks (CNNs) for feature extraction and classification.
- Reduced testing time by 70% compared to conventional blood tests, enabling quicker medical decision-making.
- Enhanced healthcare accessibility by eliminating the need for invasive procedures and laboratory dependency.
- Technologies: Python, TensorFlow/Keras, OpenCV

Certifications

- Oracle Java Foundations Associate – Oracle
- Introduction to Machine Learning – NPTEL
- The Bits and Bytes of Computer Networking – Google (Coursera)

Extracurricular / Achievements

- Ranked in the Top 2% nationwide in NPTEL – Introduction to Machine Learning.
- Ranked 1176 out of 10,805 registered participants on GeeksforGeeks College Rankings