

# Vaishnavi Sarsodiya

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🐙 GitHub — 🌐 Portfolio

## Education

**IET Institute of Engineering and Technology, DAVV Indore** 2022 – Present  
B.E. in Information Technology CGPA: 7.88

## Technical Skills

**Programming Languages:** C++, SQL, JavaScript  
**Web Development:** React.js, Node.js, Express.js, HTML5, CSS3, JavaScript(Es6)  
**Databases:** MongoDB, MySQL  
**Tools:** Git, GitHub, VS Code, Power BI, Vercel  
**Core Concepts:** Data Structures & Algorithms, DBMS, Operating Systems, Computer Networks  
**Soft Skills:** Problem-Solving, Team Collaboration, Adaptability, Communication

## Projects

**IET StudyBooth — Full Stack MERN Application** GitHub  
*React.js, Node.js, Express.js, MongoDB*

- Developed a scalable full-stack web application supporting **user authentication**, content management, and secure data handling.
- Built **RESTful APIs** using Node.js and Express.js for efficient client-server communication.
- Implemented **authentication and session management** to ensure secure access control.
- Designed **modular React components** to improve maintainability and UI performance.
- Optimized **MongoDB schema and queries** to enhance performance and data retrieval efficiency.
- Integrated frontend and backend to ensure **smooth data flow and real-time updates**.
- Deployed application on cloud platform ensuring **availability and scalability**.

**AI-Based Chatbot** GitHub  
*HTML, CSS, JavaScript, NLP*

- Developed an AI-based chatbot using **intent recognition techniques** to automate user query handling.
- Implemented **real-time response logic** to improve interaction speed and user engagement.
- Designed a **responsive user interface** ensuring accessibility across devices.
- Enhanced chatbot accuracy by improving **pattern matching and intent classification**.
- Structured conversation flow to provide **relevant and contextual responses**.

**E-commerce Sales Dashboard**  
*Power BI, Excel*

- Cleaned and transformed datasets to ensure **data accuracy and consistency**.
- Built an **interactive dashboard** to track KPIs such as revenue, profit, and sales trends.
- Generated **actionable insights** to support data-driven decision-making.
- Implemented **dynamic filters and slicers** for better user interaction and analysis.
- Analyzed sales trends to identify **high-performing products and seasonal patterns**.

**Online Meal Ordering Website** GitHub  
*HTML, CSS, JavaScript*

- Developed a **responsive web platform** for browsing and ordering food items.
- Structured frontend components to support **scalability** and future backend integration.
- Designed intuitive UI/UX to improve **user navigation and engagement**.
- Ensured cross-device compatibility for **mobile, tablet, and desktop users**.

## Coding Experience

- Solved 200+ Data Structures and Algorithms problems on LeetCode, GeeksforGeeks, and HackerRank.
- Achieved **5-Star Gold Badge in C++** on HackerRank.
- Practiced key concepts including arrays, recursion, trees, and dynamic programming.

## Certifications

- Data Structures and Algorithms — CodeHelp
- SQL Certification — HackerRank
- Web Development Bootcamp (MERN Stack) — CodeHelp
- iAspire Internship Certification
- NSS Volunteer Certification