

Vanshika Sharma

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Education

Vellore Institute of Technology, Bhopal — Master of Computer Application (MCA) CGPA: 9.33 || 2024 – 2026
Shri Jain Girls College, Bikaner — Bachelor of Computer Applications Percentage: 86.55% || 2021 – 2024
Shri Jain Public School, Bikaner — Intermediate Percentage: 84.60% || 2020 – 2021
Shri Jain Public School, Bikaner — Matriculation Percentage: 77.8% || 2018 – 2019

Technical Skills & Tools

Backend & Frameworks: Node.js, Express.js, RESTful APIs

Programming Languages: Java, JavaScript, Python, PHP

Databases: MySQL, MongoDB

Tools & Platforms: GitHub, Postman, VSCode, Git

Frontend: React, HTML5, CSS3, Bootstrap, Tailwind CSS

Core Concepts: Data Structures & Algorithms, OOP, DBMS

Projects:-

Mayuri Canteen – Online Food Ordering System - Node.js, Express.js, MongoDB, React

- Designed and implemented **RESTful APIs** using Node.js and Express.js for user authentication, order processing, and real-time order tracking.
- Built and optimized **MongoDB schemas and queries**, supporting **20+ concurrent orders** during peak hours with reliable data consistency.
- Implemented backend logic for order status management, validation, and error handling to ensure system reliability.
- Reduced average canteen queue time by **30%** through efficient backend-driven online ordering workflows.

Library Management System - PHP, MySQL

- Developed a **backend-driven library automation system** using PHP and MySQL to manage books, users, and transactions.
- Designed a **normalised relational database schema**, reducing redundancy and improving data integrity.
- Implemented **CRUD operations**, role-based access control (admin/user), and secure data handling.
- Reduced manual data entry errors by **~95%** and improved book issue/return efficiency by **40%**.

Gmail Priority Pinner – Chrome Extension - JavaScript, Chrome Storage API

- Developed a productivity-focused Chrome extension allowing users to **persistently pin important Gmail emails**.
 - Implemented client-side data persistence using the **Chrome Storage API**, ensuring pinned data remains across sessions.
 - Improved email organisation and reduced search time by **5–10 minutes per day** for users.
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Soft Skills

Leadership, Team Collaboration, Communication, Time Management.

Certificate

100 days of code python - Udemy

Complete Web Development Bootcamp