

SIMRAN VERMA

Bhopal, MP

| +917017752920 | vermasimran327@gmail.com | linkedin.com/in/Simran Verma

Education

Vellore Institute of Technology

October 2022 - Ongoing

Bachelor of Technology in Computer Science (CGPA of 8.72)

Bhopal, Madhya Pradesh

Relevant Coursework

• MERN Stack

• DSA in Java

• SQL

Projects

Expense Wise | Full-Stack Web App, MERN, JWT Auth

Jan 2025 - March 2025

- Developed and deployed a full-stack personal finance management system using MongoDB, Express.js, React.js, and Node.js (MERN), enabling users to log, categorize, and track expenses efficiently.
- Integrated JWT-based authentication, dynamic charts, and modular UI components; enhanced user engagement and reduced loading time by 20% through optimized API and state handling.

Socket Chat Pro | Real-Time Chat App, React, Node.js, Socket.IO

October 2024- November 2024

- Engineered a scalable real-time messaging platform using Socket.IO and Express.js, enabling multi-user chats, typing indicators, and live presence detection with <200ms latency.
- Configured MongoDB for chat persistence, implemented role-based routing with React Router, and containerized the app using Docker, improving deployment time by 30%.

Shop Sphere | E-Commerce Platform, MERN, Stripe Integration

June 2024- August 2024

- Designed and launched a responsive e-commerce web app using MERN stack, supporting user registration, secure checkout, product CRUD, and integrated Stripe payment gateway.
- Implemented RESTful APIs, search/filter functionality, and cloud-hosted MongoDB Atlas, improving system scalability and reducing transaction failure rates by 18%.

Technical Skills

- **Languages:** Java, JavaScript, SQL, HTML, CSS
- **Technologies/Frameworks:** React.js, Node.js, Express.js, MongoDB, Spring Boot, Java Swing
- **Tools & Platforms:** GitHub, MongoDB Atlas.

Leadership / Extracurricular

- Participated in national-level hackathons focused on full-stack web development and cloud-based application design, delivering scalable solutions using MERN stack and Spring Boot for real-world problem statements.
- Solved over 500 Data Structures and Algorithms problems on Leet Code and GeeksforGeeks, demonstrating strong command of Java, algorithmic thinking, and time-space optimization techniques.
- Contributed to open-source projects on GitHub, with emphasis on RESTful API development, user authentication systems, and modular component architecture in full-stack JavaScript applications.
- Successfully completed the AWS Solutions Architect – Associate and MERN Full Stack Certification Programs (Ethnus Codemithra, Jan–Apr 2025), applying concepts in deployment, cloud architecture, and full-stack scalability.