

# Simran Verma

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## PROFILE SUMMARY

Backend-oriented Software Engineer with hands-on experience in designing, developing, and deploying scalable web applications. Proficient in JavaScript, Node.js, Express.js, and React.js with strong foundations in RESTful API design, authentication mechanisms, database modeling, and real-time systems. Demonstrated ability to optimize performance, improve system reliability, and translate business requirements into production-ready solutions.

## TECHNICAL SKILLS

**Programming Languages:** JavaScript, Java, SQL, HTML, CSS

**Backend Technologies:** Node.js, Express.js, REST APIs, JWT Authentication, WebSockets

**Frontend Technologies:** React.js, Bootstrap, Responsive Design

**Databases:** MongoDB, MySQL

**Computer Science Fundamentals:** Data Structures & Algorithms, Object-Oriented Programming, System Design

**Developer Tools:** Git, GitHub, Postman, Vercel, Render

## WORK EXPERIENCE

### The Technogen

Apr 2024 – Jul 2024

*Web Development Intern, Hyderabad, India*

- Developed and deployed 8+ production-ready, responsive web pages ensuring cross-browser and device compatibility
- Optimized UI components and page load performance, resulting in a 25% increase in overall user engagement
- Collaborated with designers and stakeholders to convert 10+ functional requirements into reusable UI modules
- Followed SDLC best practices, version control workflows, and basic web performance optimization techniques

## PROJECT EXPERIENCE

### Feasto — Full-Stack Food Hunting Web Application

Jan 2025 – Mar 2025

*Tech: JavaScript, Node.js, Express.js, MongoDB*

[Live Demo](#)

- Designed and developed a full-stack food discovery platform with secure authentication and role-based access
- Implemented RESTful APIs for search, filtering, and user interactions, improving platform engagement by 20%
- Optimized backend request handling and database queries, increasing click-through rate by 15%
- Architected modular services capable of supporting 50+ concurrent users with stable response times

### RideWaves — Real-Time Ride-Hailing Platform

Feb 2025 – Apr 2025

*Tech: JavaScript, Node.js, Express.js, WebSockets*

- Engineered real-time ride booking, driver matching, and status updates using WebSocket-based communication
- Reduced invalid ride requests by 30% through backend validation and session management
- Achieved sub-500ms API response times under concurrent load conditions
- Load-tested services to reliably handle 10,000+ requests per hour

## EDUCATION

### Vellore Institute of Technology, Bhopal

Oct 2022 – Oct 2026

*Bachelor of Technology in Computer Science*

CGPA: 8.75

### CV International School, Agra

Apr 2021 – Mar 2022

*Class XII*

80%

### Doon Public School, Hathras

Apr 2019 – Mar 2020

*Class X*

91%

## CERTIFICATIONS & ACHIEVEMENTS

- Java + Data Structures & Algorithms — Apna College
- Java, SQL, Software Engineer Certifications — HackerRank
- Solved 500+ Data Structures and Algorithms problems across multiple platforms
- AARAMBH Badminton Champion (2023–2025)