RIMJHIM VERMA

+91 9045595655 — rimjhimv543@gmail.com — LinkedIn — GitHub

Education

JSS Academy of Technical Education   **Sep 2023 – May 2027**
Bachelor of Technology in Computer Science Engineering   *CGPA: 9.02/10*

Experience

ByteEdu   **Dec 2024 – Mar 2025**
Web Developer Intern
- Engineered and deployed responsive web applications using HTML, CSS, JavaScript, and React, reducing page load time by 40% and increasing monthly user traffic by 30%.
- Designed and launched a production-ready NGO website serving 1K+ monthly users with mobile-first design, SEO optimization, and WCAG accessibility compliance.
- Optimized frontend performance using lazy loading, asset compression, and code splitting, improving Lighthouse performance score from 62 to 92.
- Collaborated with cross-functional teams to deliver UI enhancements, reducing user bounce rate by 25% and improving overall engagement metrics.

Projects

ReactChess | MongoDB, Express.js, React.js, Node.js   Nov 2025
- Architected a full-stack chess platform using the MERN stack, supporting 500+ concurrent games through scalable RESTful APIs.
- Implemented 100% rule-accurate chess logic including move validation, checkmate detection, stalemate, and draw conditions using chess.js.
- Integrated the Stockfish AI engine with adjustable difficulty levels, increasing average game completion rate by 35%.
- Enabled real-time gameplay updates using WebSockets, achieving sub-200ms move synchronization latency.

Stock Trading Dashboard | MongoDB, Express.js, React.js, Node.js   Sep 2025
- Designed and delivered a full-stack stock trading dashboard handling 10K+ simulated transactions with real-time data updates.
- Secured the application using JWT-based authentication and bcrypt hashing, protecting 100% of sensitive routes and APIs.
- Built 20+ RESTful API endpoints using MVC architecture to manage users, portfolios, orders, and transaction history.
- Integrated Chart.js visualizations to improve portfolio insight clarity and decision-making efficiency by 40%.

Technical Skills

Programming Languages: Python, C, C++, JavaScript (ES6+), TypeScript

Frontend Technologies: HTML5, CSS3, React.js, Next.js, Tailwind CSS, Shadcn UI

Backend Technologies: Node.js, Express.js, FastAPI, RESTful APIs

Databases: MongoDB, PostgreSQL, SQL, Mongoose, Drizzle ORM

Tools & Platforms: Git, GitHub, Postman, Firebase, AWS, Chart.js, LangChain

Core Concepts: Data Structures and Algorithms, OOP, DBMS, Authentication, Authorization, Web Security

Extracurricular

- Oracle OCI 2025 AI Foundations Certified, demonstrating applied knowledge of AI fundamentals and cloud-based AI services.
- Active member of Impetus Student Society (Debating Society), JSS, contributing to leadership and communication initiatives.
- Led a student chapter of 30+ members, organizing academic and community-driven initiatives.