

# ADITYA YADAV

## SOFTWARE ENGINEER

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### SUMMARY

**Software Engineer** with hands-on experience and deploying scalable web applications using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**. Skilled in team collaboration, object-oriented programming, algorithms, and data structures. **Solved 250+ coding problems** on LeetCode using C++. Write maintainable, high-performance code with a focus on reliability and scalability. Certified in React, Node.js, Python, and JavaScript.

### EDUCATION

#### Bachelor of Technology in Computer Science and Engineering, Sushila Devi Bansal College of Technology

Jun 2022 – Jun 2026

- CGPA: 7.61 (up to 6th sem)

#### Higher Secondary Certificate,

Completed: 2022

#### Adarsh Bouddhik Higher Secondary School, Sukhliya, Indore, Madhya Pradesh, India

Specialized in Mathematics with an overall score of **87.7%** in Physics, Chemistry, and Mathematics.

#### Secondary School Certificate,

Completed: 2020

#### Adarsh Bouddhik Higher Secondary School, Sukhliya, Indore, Madhya Pradesh, India

- Specialized in Mathematics with an overall score of **93.3%** in Physics, Chemistry, and Mathematics.

### PROJECTS

#### Movie Reviewing Website, React, Node.js, MongoDB

- Built a full-stack movie review platform with dynamic search, reducing lookup time by 40% through optimized API queries and responsive UI design.
- A responsive **React.js** interface with a “Load More” pagination feature, improving page performance by **39%** and enabling smooth browsing across large datasets.
- Implemented clean UI components and efficient API integrations, resulting in a faster, more interactive user workflow.

#### Real-Time Chat Application, Node.js, WebSocket, React

- Built a full-stack real-time chat platform supporting **secure communication for 50+ concurrent users**, using **JWT** for token-based authentication and **bcrypt** for secure password hashing, ensuring a high login success rate and strong protection against unauthorized access.
- Integrated **Socket.IO** to enable real-time, bidirectional messaging with **low-latency message delivery** and stable synchronization across all active clients.
- Designed a responsive and user-friendly interface, improving usability and overall interaction flow.

#### Typing Test Website, MERN Stack (React, Node.js, Express.js, MongoDB)

- Created a full-stack typing test platform supporting 50+ concurrent users, with real-time feedback and scoring features that increased user retention by 25%.
- An intuitive **React.js** frontend to track **WPM, accuracy, and historical performance**, significantly enhancing user engagement and overall experience.
- Implemented efficient backend APIs and optimized state management to ensure smooth performance and accurate real-time updates.

### SKILLS

#### Programming Languages

- C · C++ · JavaScript (ES6+) · Python

#### Front-End

- HTML5 · CSS3 · JavaScript · React · React Redux

#### Back-End

- Node.js · Express.js · MongoDB · Mongoose · RESTful API Design  
JWT Authentication · WebSocket

#### Tools & Methodologies

- Git · GitHub · Postman · VS Code · Docker · GenAI Tools · REST APIs

### EXPERIENCE

#### Web Developer Intern, Prodigy InfoTech (Virtual)

Jan 2025 – Feb 2025

- Engineered 2+ responsive front-end interfaces using HTML5, CSS3, and JavaScript during a 1-month internship.
- Optimized code to achieve a 20% improvement in page load speed and ensured seamless cross-browser compatibility.
- Collaborated with design teams to troubleshoot and resolve 5+ UI/UX issues, implementing best practices for accessibility and modern design standards.

#### Full Stack Web Developer, Academic Project

Feb 2024 – Apr 2024

- Led the end-to-end development of a full-stack web application, handling 100% of the planning, development, and deployment processes.
- Built and deployed a fully functional MERN stack application, improving user experience through optimized front-end components and responsive design.
- Collaborated with team members, guided technical decisions, and ensured timely delivery of project milestones.

### CERTIFICATIONS & ACHIEVEMENTS

- Certified in Generative AI by NVIDIA, demonstrating foundational knowledge of AI models and modern generative technologies.
- Completed HackerRank’s Frontend Developer certification (React, JavaScript), demonstrating proficiency in modern front-end development.
- Solved 250+ LeetCode problems, demonstrating strong proficiency in data structures, algorithms, and competitive programming concepts.