Siva Sai Ram Madanaboyina

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📍 USA

Professional Summary

Innovative and detail-oriented Software Engineer with a strong foundation in computer science and hands-on experience in frontend development. Skilled in building scalable, user-friendly web applications using modern technologies like React.js, JavaScript, and Tailwind CSS. Passionate about learning emerging technologies and improving software development practices.

Education

Master of Science in Computer Science, Sacred Heart University, USA   Present
Bachelor of Science in Computer Science, Nalanda Degree College, India

Experience

Frontend Developer — Secure Vote Project   Present
- Developed and maintained a secure, scalable voting application using React.js and Tailwind CSS. - Collaborated with a cross-functional team to enhance UX/UI design and performance. - Integrated APIs and ensured accessibility compliance.

Software Engineering Intern — [Company Name]   [Month, Year] – [Month, Year]
- Assisted in developing full-stack applications using the MERN stack. - Conducted unit testing and performance optimizations. - Worked on implementing authentication and security features.

Projects

Secure Voting System
- Developed a blockchain-powered voting application ensuring security, transparency, and tamper-proof election processes. - Built a user-friendly frontend using **React.js, Tailwind CSS**. - Integrated **smart contracts and APIs** for secure vote recording and verification. - Enhanced user experience with **real-time vote updates** and accessibility compliance.

E-Commerce Website
- Designed and developed a full-stack e-commerce platform using **React.js, Node.js, Express.js, and MongoDB**. - Implemented **secure authentication (JWT)**, payment gateway integration, and a dynamic product catalog. - Optimized database queries and API performance, improving load times by **30%**.

Weather Forecast App
- Built a real-time weather application using **React.js and OpenWeather API**. - Implemented a **search feature** to fetch live weather conditions based on location. - Designed an intuitive UI with **responsive design** and **dark mode support**.

Certifications and Achievements

- [Certification Name] – [Issuing Organization]
- [Award or Achievement]

Technical Skills

Languages: JavaScript, TypeScript, Python, Java
Frontend: React.js, HTML, CSS, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js
Databases: MongoDB, MySQL
Version Control: Git, GitHub
Other Tools: Docker, AWS, CI/CD

Languages

- English (Fluent)
- [Other Language] (Proficient)