

Shanmuka Sagar Tullimilli

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Portfolio

Summary

MERN Stack Developer with **2+ years of experience** building scalable, user-focused web applications. Proficient in developing **responsive UIs**, optimizing **backend performance**, and integrating **secure RESTful APIs**. Experienced with **microservices architecture**, **JWT authentication**, and deploying applications using **Docker**, **CI/CD pipelines**, **Kubernetes**, and **AWS** for cloud-native scalability and reliability.

Skills

Languages: Python, JavaScript

Frontend: HTML, CSS, React.js, Next.js, Material-UI, SASS, Redux

Backend: Node.js, Express.js, REST APIs, JWT, MongoDB, PostgreSQL, Microservices, RabbitMQ

Tools: Git, GitHub

Other Skills: Data Structures and Algorithms, Problem-solving

DevOps & Deployment: Docker, CI/CD, Kubernetes, AWS

Education

Vasireddy Venkatadri Institute of Technology, B.Tech in Computer Science June 2019 – April 2023
• CGPA: 8.34/10

Bhashyam Junior College, Intermediate June 2017 – April 2019
• CGPA: 9.8/10

Experience

MERN Full Stack Developer, NIMS March 2025 – Present

- Developed secure and responsive **full-stack web applications** using **React.js**, **Node.js**, **Express.js**, and **MongoDB** for **government-backed medical research projects**.
- Built and optimized **RESTful APIs** and **database queries**, improving data handling efficiency and reducing system response times by up to **30%**.
- Conducted **penetration testing**, implemented **JWT-based authentication**, and enforced **security best practices** to safeguard against common vulnerabilities.
- Integrated **payment gateway** and enhanced app performance using **lazy loading** and **code-splitting**, boosting user experience and load efficiency.

MERN Full Stack Developer, Snowa Technologies Pvt. Ltd. Jun 2023 – Feb 2025

- Developed **responsive web pages** with **React.js**, **Material-UI**, and **Redux**, boosting user engagement by **30%**.
- Built **RESTful APIs** using **Node.js** and **Express.js**, reducing data retrieval time by **25%**.
- Optimized **MongoDB queries**, cutting response time by **20%**.
- Improved **cross-browser compatibility**, reducing page load time by **15%**.

Achievements

- **Successfully led a cross-functional team** to deliver a high-impact web application using the **MERN stack**, meeting all project milestones within the deadline.
- **Optimized the application's performance**, implementing advanced techniques like **lazy loading** and efficient **API integrations**, resulting in a **30% faster page load time**.