

Shanmuka Sagar Tullimilli

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Portfolio

Summary

Results-driven MERN Stack Developer with 2.7 years of experience building scalable, high-performance applications using React.js, Node.js, Express.js, and MongoDB. Proven ability to reduce API latency by 30%, optimize database queries, and deliver secure, production-ready features. Strong in frontend performance, REST API design, and end-to-end solution development with deployments on Docker, CI/CD, and AWS.

Skills

Languages: Python, Java

Frontend: React.js, Next.js, JavaScript (ES6+), HTML5, CSS3, Material-UI, SASS, Redux

Backend: Node.js, Express.js, REST APIs, JWT Authentication, Middleware Design

Databases: MongoDB, PostgreSQL, Query Optimization, Indexing, Aggregation Framework

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

Tools: Git, GitHub, Postman, VS Code

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 full-stack applications with React.js, Node.js, Express.js, and MongoDB, enhancing system stability and data workflows.
- Optimized REST APIs and database queries, reducing response time by 30% through indexing, caching, and refactoring.
- Implemented JWT authentication, RBAC, and secure API practices to strengthen application security.
- Improved frontend performance with lazy loading, code-splitting, Redux optimizations, and deployed apps via Docker and Nginx for high reliability.

MERN Full Stack Developer, Snowa Technologies Pvt. Ltd.

Jun 2023 – Feb 2025

- Developed responsive interfaces using React.js, Material-UI, and Redux, increasing user engagement by 30%.
- Built and optimized REST APIs using Node.js and Express.js, reducing data fetch latency by 25%.
- Improved MongoDB query efficiency by 20% through indexing, aggregation, and schema optimization.
- Reduced page load time by 15% through asset optimization, caching, and frontend performance auditing.
- Collaborated with design, QA, and backend teams to deliver scalable MERN features with minimal defects.

Achievements

- Led a cross-functional team to deliver a high-impact MERN application, completing all milestones ahead of schedule.
- Achieved a 30% improvement in page load speed via lazy loading, optimized API calls, and reduced bundle size.