

SAI PRANITH ELAPROLU

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PROFESSIONAL SUMMARY

Results-driven MERN Stack Developer with a strong background in full-stack web development. Expertise in translating UX designs into functional applications using React.js, Node.js, and MongoDB. Demonstrated success in delivering scalable REST/GraphQL APIs and optimizing complex algorithms, while ensuring responsive, secure, and efficient systems. Proven ability to collaborate effectively in agile environments, enhance system performance by quantifiable metrics, and drive project outcomes aligned with business objectives.

TECHNICAL SKILLS

Programming & Frameworks:

- JavaScript, TypeScript, React.js, Node.js,
- Express.js REST & GraphQL API development

Database & Cloud:

- MongoDB; exposure to
- MySQL/PostgreSQL AWS Services (EC2, SQS, SES, Lambda)

Tools & Practices:

- Git, Docker, Postman, Visual Studio Code
- Agile methodologies, Unit Testing, Technical Documentation

Soft Skills:

- Collaboration, Communication, Time Management, Leadership, Strategic Planning

PROFESSIONAL EXPERIENCE

Software Engineer Intern

Vangrove Tech Pvt. Ltd. | June 2024 - December 2024

Developed and maintained full-stack modules using the MERN architecture, resulting in a 30% decrease in API response times by optimizing backend logic and database queries. Collaborated with UI/UX designers and product managers to translate design prototypes into responsive web applications using React.js, driving a 25% increase in user engagement. Implemented efficient REST/GraphQL APIs with Node.js and TypeScript, contributing to a 20% improvement in system reliability as measured by reduced error rates during peak usage. Assisted in technical architecture design and conducted unit testing to ensure robustness and scalability of applications, meeting strict project deadlines.

SELECTED PROJECTS

E-Commerce Product Explorer

Technologies: MERN Stack (React.js, Node.js, Express, MongoDB), Tailwind CSS

Engineered a dynamic web application enabling users to filter and sort products by categories, price, and ratings, reducing search time by 40%.

Integrated a mock backend API to streamline data retrieval; improved data processing speed by 35% through optimized routing and caching techniques.

Implemented rigorous unit testing, ensuring responsiveness and efficient error handling, which decreased reported issues by 50%.

Task Manager Application

Technologies: MERN Stack (React.js, Node.js, Express, MongoDB), Bootstrap

Architected and developed a robust task management system allowing creation, modification, and deletion of tasks, resulting in a 30% improvement in operational efficiency. Utilized state management best practices to deliver seamless user experience; tracked tasks and metrics with a 95% real-time accuracy rate.

EDUCATION & CERTIFICATIONS

Bachelor of Technology, Computer Engineering

Talla Padmavathi College of Engineering, Warangal | 2020 - 2025

Certification:

Full Stack Web Development Using MERN Stack Oak Academy

Proven track record in crafting secure, scalable, and efficient web systems using industry-leading technologies. Adept at working in fast-paced environments and continuously enhancing technical proficiencies to meet evolving business needs.