Tarun Sai Srinivas Allam
Bachelor of Technology in Computer Science and Engineering
Sagi Rama Krishnam Raju Engineering College, Bhimavaram

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EDUCATION

•Bachelor of Technology in Computer Science and Engineering   *2021-25*

Sagi Rama Krishnam Raju Engineering College, Bhimavaram   CGPA: 7.50

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Javascript, Java
Libraries :React Js,React Native
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: Next.js, Express.js,TailwindCss
Cloud/Databases:MongoDb
Areas of Interest: Web Development, Frontend Engineering, Full-Stack Application Development, UI/UX Design.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

PERSONAL PROJECTS

•Book Store REST API   *2025*

A RESTful Book Store API built with Node.js, TypeScript, MongoDB, JWT, and Swagger.

– Built a secure REST API with JWT authentication, role-based access, and CRUD operations for book management.
– Executed Swagger UI (OpenAPI 3.0) integration for interactive API documentation and used Helmet & dotenv to enforce enhanced security.
– Designed scalable TypeScript folder architecture with reusable controllers, middleware, and Mongoose models.

•EnviroWatch   *2024*

Cross-platform mobile app for real-time geo-tagged environmental issue reporting.

– Built a React Native app with Firebase Auth, Firestore, and Cloud Storage for secure geo-tagged reporting and media uploads.
– Integrated Node.js backend and push notifications, enabling real-time updates and improved user engagement.

•Chat Application   *2024*

Real-time encrypted messaging platform built with Next.js and PusherJS.

– Developed a real-time chat application using Next.js, PusherJS, and serverless APIs, enabling instant encrypted messaging and seamless cross-device communication.
– Enforced secure message delivery using channel-based access control, ensuring private and reliable interactions.
– Optimized event handling and synchronization to achieve sub-2-second message broadcast latency, significantly improving user responsiveness and engagement.

EXPERIENCE AND TRAINING

•Web Development Intern   *Oct - Dec 2024*

MHTECHIN   Online
– Developed and optimized frontend features using React.js, Next.js, JavaScript, and Tailwind CSS, ensuring responsive and mobile-friendly UI across devices.
– Implemented reusable components, page routing, and client-side state management to improve application performance and user experience.
– Utilized Git & GitHub for version control, improving team collaboration through structured branching and pull-request reviews.
– Completed intensive hands-on training and independently delivered UI/UX enhancements, strengthening skills in modern frontend workflows, debugging, and performance optimization.

•Software Developer Trainee   *May 2023 - July 2023*

Pradhan Mantri Kaushal Vikas Yojana (PMKVY)   Bhimavaram
– Completed 210+ hours of intensive software development training covering SDLC, OOP, databases, and project documentation using the Waterfall model.
– Worked in a team of four to design, document, and develop a functional software prototype, achieving a 30% improvement in process efficiency.
– Gained hands-on exposure to building structured software systems, requirement analysis, and writing clear technical documentation.

LEADERSHIP & CAMPUS INVOLVEMENT

•Core Technical Member

College Coding Club (Technical Team)

– Organized coding challenges, tech talks, and peer-learning sessions, increasing student participation in development activities.
– Assisted juniors with React, JavaScript, and full-stack fundamentals through hands-on guidance and doubt-clearing sessions.