

Budumuru Srinivas Sai Saran Teja

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Professional Summary

A results-driven Computer Science graduate with hands-on full-stack development expertise, specialized in building intuitive and efficient web applications using **React.js** and **Node.js**.

Proven ability to design scalable systems, implement secure authentication, and optimize user experiences, with a strong foundation in **JavaScript (ES6+)** and database technologies like **MongoDB** and **MySQL**.

Passionate about leveraging **AI functionality** to streamline workflows and solve complex real-world problems, specifically focusing on user-centered innovation and delivering high-quality software.

Adept at collaborative teamwork within fast-paced, Agile environments, committed to writing clean, maintainable code and directly impacting user success.

Technical Skills

Languages: JavaScript (ES6+), Python, Java, C, SQL

Frontend: React.js, Redux, HTML5, CSS, JSP

Backend: Node.js, Express.js

Databases & Cloud: MongoDB, MySQL, Firebase

Frameworks & Tools: Git, Postman, Linux, Android Studio

Methodologies & Concepts: Agile, Object-Oriented Programming (OOP), Data Structures, Algorithms, User-Centered Design

Soft Skills: Problem Solving, Team Collaboration, Effective Communication, Leadership, Solution-Oriented Mindset

Projects

AI Post Generator

<https://post-generator-iota.vercel.app/>

Full-stack Developer

- Designed and built an intuitive MERN stack application, integrating a third-party **AI API** to enable dynamic, AI-driven content generation, directly enhancing user workflow efficiency.
- Obsessed over user interactions by optimizing cross-browser performance using lazy loading, React Router, and dynamic rendering, ensuring a seamless and responsive user experience for content creators.
- Transformed conceptual ideas into delightful solutions by designing scalable **MongoDB** schemas and secure JWT-based authentication, improving cookie management efficiency by 25%.
- Implemented robust user authorization middleware for secure deployment and collaborated effectively in Agile sprints, mentoring peers on **Redux** state management and **Git** workflows.

Faculty Performance Monitor

Full-stack Developer

- Developed a Java-based portal using JSP and MySQL, featuring role-based dashboards to automate workload tracking, freeing up administrative time.
- Enhanced query performance by 30% through **SQL optimization** and ensured scalability with modular code design, directly addressing system efficiency.

- Led code reviews within an Agile environment, documented processes, and resolved deployment issues, demonstrating a solution-oriented approach to improving delivery timelines.

Employee Management System

Software Developer

- Built a **Python** and **MySQL**-based payroll automation tool with Tkinter GUI, reducing HR processing time by 20% and simplifying complex administrative tasks.
- Implemented robust validation and exception handling, ensuring data integrity across 500+ employee records, preventing workflow disruptions.

Education

MVGR College of Engineering (A)

B.Tech in Computer Science; GPA: 7.48/10

Vizianagaram, India

May 2025

Government Polytechnic College

Diploma in Computer Engineering; Final Grade: 82.09%

Anakapalle, India

June 2022

Certifications & Achievements

Certifications:

- AI and Machine Learning – AICTE
- Cloud Computing – NPTEL
- Java JUnit – Infosys SpringBoard
- Foundations of Artificial Intelligence – SkillUp

Achievements:

- Led team in Pega Systems Hackathon, demonstrating strong problem-solving and collaboration skills.

Languages

English: Advanced

Telugu: Native Proficiency