Saragadma Vamshi

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Professional Summary

Highly motivated Computer Science graduate with a strong foundation in fullstack web development and a keen interest in building AI-driven applications. Proficient in crafting intuitive user interfaces with **React.js** and robust backend solutions with **Node.js** and **Express.js**. Passionate about transforming complex workflows into seamless user experiences and committed to delivering high-quality software. Eager to contribute to a fast-paced, user-centered startup environment like Bemlo, dedicated to leveraging technology to significantly improve healthcare operations and efficiency.

Education

Bachelor of Technology, Computer Science Maharaj Vijayaram Gajapathi Raj College of Engineering

Expected Graduation: 2025

Diploma in Computer Science Government Polytechnic, Anakapalli

Graduated: 2022

Technical Skills

Frontend Development: React.js, HTML, CSS, JavaScript, Bootstrap

Backend Development: Node.js, Express.js, Java

Databases: MongoDB, MySQL, SQLite

Tools & Concepts: Git, GitHub, Linux, Data Structures & Algorithms (DSA), RESTful APIs, Performance Optimization, User Authentication (JWT)

Projects

Social Media Scribe Project Live Link

AI-Driven Web Application

- Designed and implemented an **AI-driven post generator**, enabling users to effortlessly create content tailored for various social media platforms, directly aligning with the job's focus on AI integration for user experience.
- Developed modular **JavaScript components** to ensure robust handling of user input, seamless asynchronous communication with AI APIs, and dynamic content rendering, emphasizing reusable design and efficient user interaction.
- Engineered intuitive user experience flows, including secure login, comprehensive user profiles, and efficient data retrieval, utilizing **React Router** for smooth navigation, focusing on making complex workflows feel effortless.
- Implemented robust authentication and authorization mechanisms using **JWT tokens**, securing user access and data integrity, demonstrating commitment to high-quality and reliable software.

Course Selling App

Backend-Focused Application Development

- Developed a persistent course-selling application, empowering users and administrators to efficiently create, track, and manage educational courses, highlighting the ability to build functional, multi-user systems.
- Architected a structured database schema for optimal storage and retrieval of user, admin, and course details using **MongoDB**, ensuring data consistency and scalability.
- Implemented secure user authentication and signup functionalities utilizing **JWT tokens**, enhancing application security and demonstrating attention to secure development practices.
- Utilized efficient data structures (arrays, objects) and optimized data handling for enhanced application performance and responsiveness, aligning with the interest in optimization.

Additional Information

Languages: Fluent in English, Native in Telugu

Interests: Exploring modern frontend frameworks (**React**), experimenting with AI-based conversational interfaces, competitive programming, and problem-solving