

Salandri Shirisha

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EXPERIENCE

- Software Giant** Remote
 - Frontend Developer (Freelancing)* Jan 2024- Present
 - Client Project Management:** Successfully managed multiple client projects simultaneously, demonstrating strong organizational, problem-solving, and communication skills to meet tight deadlines. Utilized MERN stack technologies, including JavaScript, Express.js, React, and SQL, to ensure efficient project execution, timely delivery, and high-quality results. Leveraged tools like Redux for state management and Tailwind CSS for responsive design, optimization, and better performance.
 - Custom E-commerce Solutions:** Delivered a tailored e-commerce platform for a client, leveraging **React, JavaScript, and Tailwind CSS** for a responsive and user-friendly interface. Implemented dynamic features, including product filtering, search functionality, and a secure checkout process, achieving faster load times and enhancing the user experience.
- Optum - UHG, Hyderabad** Onsite
 - Associate Software Engineer (Full-time)* June 2022-Dec 2023
 - On-call Support Specialist:** Provided exceptional on-call support for production issues, often under tight deadlines. Mastered legacy codebases in COBOL and MySQL to resolve daily cases effectively. Identified and fixed critical database errors using advanced MySQL queries, **reducing downtime by 20%** and ensuring seamless application performance. Optimized existing queries to improve data retrieval efficiency, reducing query execution time by 30%.
 - Legacy Code Optimization:** Analyzed and refactored legacy Java code to improve functionality and maintainability, ensuring seamless integration with existing systems. Modified application logic to extract additional data from MySQL databases using optimized queries, enhancing data availability and accuracy. Leveraged C-based backend integrations to support legacy systems, ensuring compatibility. Partnered with cross-functional teams, including developers, QA, and product managers, to streamline workflows and improve project **success rates by 80%**.
- Stumagz-Content writer** Hyderabad
 - Intern* December 2019 - February 2020
 - SEO Optimization and Content Strategy Development:** Conducted in-depth keyword research using tools like **Google Keyword Planner and SEMrush** to identify high-ranking topics, enhancing article visibility and driving organic traffic. Authored engaging, well-researched articles on topics such as human emotions and positive thinking, tailored to audience preferences and brand tone. Worked with CMS platforms (e.g., WordPress) for publishing and collaborated with design teams and used tools like Canva to create visually appealing content

PROJECTS

- Telugu Medium Kitchen-Food delivery app:** Developed a fully functional food delivery application inspired by Swiggy's API using React and Parcel.js, focusing on responsive design and performance optimization. Integrated mock APIs to simulate real-time data and implemented core features like restaurant browsing, menu filtering, and order placement. Utilized React hooks for efficient state management, ensuring scalability and smooth data handling across components **Live-demo**
- Dactylology Recognition System:** Published in the *International Journal for Innovative Engineering and Management Research*. The aim of this project is to recognize alphabets in **Sign Language** through corresponding gestures and convert them into readable text, followed by speech output using the **Google Text-to-Speech (gTTS) module**. The system was built using Python, with a CNN algorithm used for gesture recognition, OpenCV for gesture detection, and gTTS for speech conversion. **Research Paper-link**
- WTF Podcast-Summary page:** Creating a podcast summary website that provides concise and insightful summaries of episodes from the WTF Podcast. The frontend is designed with React and styled using Tailwind CSS to ensure a clean, responsive, and user-friendly interface. The site integrates an AI-based wrapper library to automatically generate accurate and high-quality summaries of each podcast episode. **live-demo**

SKILLS SUMMARY

- Programming Languages:** C, C++, JavaScript, Java, TypeScript, SQL
- Libraries & Frameworks:** React.js, Express.js, MongoDB, Tailwind CSS
- Tools & DevOps:** Git, Vite, Redux DevTools, React Router, Postman, Pipelines, AI-Assisted Coding Tools (Cursor, Claude)
- Certifications:** Machine Learning-NPTEL (Elite), web development course -Udemy

EDUCATION

- Bachelor of Engineering in Computer Science** Hyderabad, India
 - Stanley College of Engineering and Technology for women* June 2018 - June 2022
 - Coursework:** Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems