RISHWANTH S

✉ srishwanth02@gmail.com 📞 9809015040 📍 Coimbatore, Tamil Nadu-641035 in LinkedIn 🔗 Portfolio

PROFESSIONAL SUMMARY

Software Developer with experience in designing and developing software applications. Proficient in C, C++, and Java with a solid understanding of full-stack development, API integration, and database management. Strong problem-solving skills, a collaborative team player, and committed to delivering high-quality, scalable solutions. Passionate about staying current with emerging technologies to drive innovation and efficiency.

SKILLS

Languages Known: C | C++ | Java | JavaScript   **Database:** MySQL

Frontend: HTML | CSS | Bootstrap | Blueprint JS | TailwindCSS | React.js | Redux

Soft Skills: Problem-solving | Agile | Debugging | Collaboration

EDUCATION

BE - Electronics and Communication Engineering   Sep 2020 – Apr 2024 | Erode, India
Bannari Amman Institute of Technology

PROJECTS

STORE MANAGEMENT APPLICATION 🔗   Nov 2024 – Dec 2024

- Developed an interactive e-commerce application using the Fake Store API, featuring product display, addition, updating, and deletion with real-time data synchronization.
- Built a **distributed and fault-tolerant system** for handling product catalog updates and transactions. **React.js, Redux, and Blueprint.js** were used for dynamic UI updates and state management.
- The application demonstrates REST API integration, CRUD operations, and a user-friendly interface powered by React Router and Blueprint.js components.
- **Tools & Libraries:** React.js, Blueprint js, Fake store API, React Router, VS Code
- **Languages:** HTML, CSS, JavaScript

REAL-TIME WEATHER APPLICATION 🔗   Oct 2024 – Nov 2024

- **Real-Time Weather Data Retrieval** – Developed a weather application that fetches live weather data using the **OpenWeatherMap API**, allowing users to search by city or use geolocation for current weather updates.
- **Interactive User Interface** – Designed a responsive and visually appealing UI using **HTML**, **CSS**, and **JavaScript**, ensuring a seamless user experience across devices.
- **Dynamic Data Handling** – Implemented JavaScript functionalities to handle API responses, update the UI dynamically, and display weather details such as temperature, humidity, wind speed, and weather conditions.
- **Error Handling & Optimization** – Integrated error handling for invalid city searches, improved performance with async/await for API requests, and optimized UI components for fast and smooth interactions.

ENERGY MONITORING USING ESP8266   Dec 2023 – Feb 2024
Application development

- Developed an IoT-enabled **real-time energy monitoring system** leveraging **ESP8266 microcontrollers** and **PZEM-004T sensors**.
- Designed a **scalable data collection and visualization system** for monitoring power consumption remotely.
- Created an interactive **web interface** using **HTML, JavaScript**, and **Arduino IDE** for real-time analytics.
- Enabled predictive analysis for power consumption trends through distributed processing.
- **Hardware:** ESP8266 microcontroller, PZEM-004T sensor, relays, Miniature circuit breaker(MCB), Current Transformer Coil (CT Coil), and LCD.
- **Software**: Arduino IDE for programming, HTML & JavaScript for web interface design.

INTERNSHIP

Tessolve Semiconductor Pvt. Ltd   Jul 2022 – Sep 2022
IoT and VLSI design Traniee

- Worked on developing and testing IoT-enabled systems, integrating hardware and software for efficient device communication and functionality.
- Designed and implemented VLSI circuits for low-power and high-speed applications.
- Worked in a cross-functional team to improve embedded system efficiency and scalability.