Sudharsana Saravanan S

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SUMMARY

I am a passionate and Aspiring software Engineer with a strong foundation in React.js, Data Structures & Algorithms, and JavaScript. I have hands-on experience working as a Frontend Developer intern, where I contributed to building optimized and scalable applications. I am eager to apply my skills in full-stack development, API integration, and real-time applications while gaining deeper practical knowledge. With my leadership and team management, I am adept at coordinating with team members, ensuring smooth development workflows, and adapting quickly to new technologies.

EXPERIENCE

MetatronCube Software Solutions · Internship   *Feb 2025 - present | Canada · Remote*

- Designing and enhancing the restaurant management system using the Frappe framework and JavaScript, improving functionality, optimizing workflows, and refining UI/UX for a better user experience.
- Configuring and managing a Linux server, setting up dependencies, and ensuring smooth system operations. Gaining hands-on experience in server administration.

Zidio Development · Internship   *Feb 2025 - present | Bangalore · Remote*

- Worked in a team competing with other development teams to build a full-stack project management application, ensuring optimal feature implementation and performance.
- Built a MERN stack application with user authentication, a user panel for task management, and an admin panel for user and task oversight, integrating real-time notifications.

PROJECTS

Moltov | Dec 2024   github-link

- Movie Trailer Streaming App With Firebase Integration.
- Developed an interactive movie trailer streaming platform using React.js, integrating TMDb API and Axios for real-time data fetching. Implemented user authentication and a visually engaging, responsive design to enhance the viewing experience.
- Fetched and displayed movie details dynamically using TMDb API, ensuring seamless navigation and smooth performance. Utilized Axios for efficient API requests, providing users with an intuitive and immersive streaming experience.

Leaf-Link Real Time Messaging App | Dec 2024   github-link

- Built a real-time messaging app using React.js and Firebase, featuring Firestore for instant message synchronization, a Material-UI-based responsive interface, and Firebase Hosting for secure deployment. Integrated features like username prompts and real-time UI updates to enhance user experience.

Hospital Management System | Nov 2024   github-link

- Developed a Patient Priority Management System to optimize hospital operations by prioritizing patient care based on severity, age, and arrival time. Implemented Min-Heap Priority Queue for efficient patient triaging and Binary Search Tree (BST) for fast data retrieval.
- Designed and integrated Graph-based room allocation using Dijkstra's algorithm to ensure optimal patient placement. Optimized key operations such as admission, discharge, and search, enhancing hospital efficiency and patient care.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Haskell.
Frontend Languages: React.js, Three.js, Material UI, Bootstrap 5, HTML, CSS, Tailwind CSS, JavaScript.
Database: MySQL, Firestore.
Backend : Node.js.
API Integrations: APIs, Axios.
Tools & Technologies: Git , GitHub.
Core Skills: Data Structures & Algorithms , Web development , Problem-Solving , Critical Thinking , Solution Optimization , Object-Oriented Design & Principles .

PROFESSIONAL SKILLS

• Leadership • Communication • Time Management • Adaptability • Team Collaboration
• Project Management.

EDUCATION

Stanes School ICSE/ISC | 2014-2023   *Coimbatore, India.*
Grade 10: 90% | Grade 12: 85%

Amrita Vishwa Vidyapeetham | 2023-2027   *Coimbatore, India.*
B.Tech, Computer Science & Engineering | CGPA : 7.5 / 10

CERTIFICATES

Certification of C Programming Language by Udemy | 2025   *online*
Instructor Haidar Al-Aubiydy   link

Certification of AI for Everyone by Coursera | 2025   *online*
Instructor Andrew NG   link