

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.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Haskell.

Frontend: React.js, Three.js, Material UI, Bootstrap 5, HTML, CSS, Tailwind CSS, JavaScript.

Backend: Node.js.

Database: MySQL, Firestore.

API Integration: APIs, Axios.

Version Control: Git.

KEY STRENGTHS

- Data Structures & Algorithms
- Object-Oriented Design & Principles
- Critical Thinking
- Solution Optimization
- Analytical Problem-Solving
- Leadership
- Team Collaboration

EXPERIENCE

MetatronCube Software Solutions · Internship

Feb 2025 - Present

Canada · Remote

- Developing and enhancing the restaurant management system using the Frappe framework and JavaScript.
- Gaining hands-on experience in frontend development, focusing on UI/UX improvements and system integration.
- Collaborating with the team to optimize web applications for better performance and usability.

PROJECTS

Moltov [github-link](#)

Movie Trailer Streaming App

Dec 2024 - Present

React.js, Firebase, Axios, TMDB API, CSS

I developed an interactive platform that allows users to stream movie trailers seamlessly. The application features real-time data fetching, authentication, and a visually engaging interface with a well-structured and responsive design to enhance user experience. It integrates external APIs for fetching movie details and ensures smooth navigation and performance.

Hospital Management System [github-link](#)

DSA-Based Project

Nov 2022 - Present

Python

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, Graph (Adjacency List), and Binary Search Tree (BST) for efficient patient management, room allocation using Dijkstra's algorithm, and fast data retrieval. Optimized key operations for fast admission, discharge, and search, ensuring improved hospital efficiency and patient care.

EDUCATION & CERTIFICATIONS

Amrita Vishwa Vidyapeetham

B.Tech, Computer Science & Engineering | CGPA: 7.5/10

Sep 2023 - Present

Coimbatore, India

Stanes School ICSE/ISC

Grade 10: 90% | Grade 12: 85%

June 2014 - Feb 2023

Coimbatore, India

Certification of C Programming Language by Udemy

Instructor Haidar Al-Aubiody [link](#)

Certification of AI for Everyone by Coursera

Instructor Andrew NG [link](#)