

Sudharsana Saravanan S

+91 8807224054 / sudharsansaravanan2623@gmail.com / [LinkedIn](#) / [GitHub](#)

SUMMARY

I am an enthusiastic and Software Engineer with a strong foundation in React.js, Data Structures & Algorithms, and JavaScript. I am eager to apply my skills in building optimized and scalable applications while gaining hands-on experience in full-stack development, API integration, and real-time applications. With strong problem-solving abilities and a passion for creating efficient software solutions, I look forward to learning, collaborating, and contributing to impactful projects during this internship.

TECHNICAL SKILLS

Programming Languages: Python, C++, C, Java, Haskell, MATLAB, ArduinoIDE.
Frontend: React.js, Material UI, Bootstrap 5, HTML, CSS, Javascript.
Backend: Python (Flask), Java (OOPs, Encapsulation, Abstraction).
Database: MySQL, Firestore.
API Integration: REST 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

Real-Time Messaging Application [github-link](#)

Dec 2024 - Present

- Developed full-featured messaging platform using React and Firestore
- Implemented real-time communication capabilities
- Created responsive design with Bootstrap 5 and Material UI
- Ensured scalable and efficient messaging infrastructure

PROJECTS

Moltov [github-link](#)

Dec 2024 - Present

Movie Trailer Streaming App

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](#)

Nov 2022 - Present

DSA-Based Project

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

Sep 2023 - Present

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

Coimbatore, India

Stanes School ICSE/ISC

June 2014 - Feb 2023

Grade 10: 90% | Grade 12: 85%

Coimbatore, India

Certification of C Programming Language by Udemy

Instructor Haidar Al-Aubidy [link](#)

Certification of AI for Everyone by Coursera

Instructor Andrew NG [link](#)