

Sudharshan Baskar
B.Tech Computer Science and Engineering

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Education

Amrita Vishwa Vidyapeetham
B.Tech, Computer Science and Engineering

Coimbatore, Tamil Nadu
2025(Expected)

XII, Velammal Vidhyashram
[85 Percentage]

Chennai, Tamil Nadu
2021

X, Velammal Vidhyashram
[92.8 Percentage]

Chennai, Tamil Nadu
2019

Projects

Dementia Guardian

April 2024

<https://github.com/sudhar277/dementiaguardian>
<https://dementiaguardian.vercel.app>

- Developed a comprehensive caregiving platform using an ESP32 board for hardware integration to assist caregivers in monitoring individuals with dementia. Utilized ReactJS for the frontend, FastAPI for the backend, PostgreSQL for database management, and cloud connectivity. Integrated features like location tracking, emergency alerts, and daily activity management to enhance patient safety and support.

Voice Translation(Raspberrypi)

December 2023

<https://github.com/sudhar277/voice-translation-raspberrypi-/tree/main>

- Developed a voice translation project using Raspberry Pi with a TFT display, enabling real-time translation of spoken language to text and audio feedback. Integrated modules like SpeechRecognition, Googletrans, and playsound for speech recognition, translation, and audio playback, respectively.

Food and Recipe Search

September 2023

<https://github.com/sudhar277/food-recipe-search>

- Designed and developed a dynamic Food and Recipe Search web application using ReactJS and API integration.
- Leveraged ReactJS to create a responsive and intuitive platform that empowers users to find their dishes effortlessly.

Ride Matching Service

June 2023

<https://github.com/sudhar277/ridesharing-service>

- Developed a Python ride-sharing service with geolocation-based passenger-driver matching, Folium-Tkinter map visualization, and graph-based algorithms for efficient ride selection, showcasing strong coding and problem-solving skills.

Smart Water Meter

February 2023

<https://github.com/sudhar277/smart-watermeter>

- Developed Aquaria: a Smart Water Meter system with an intuitive PHP web interface for property details and water usage tracking, demonstrating user-centric design and backend integration expertise.

Movie Rating Website

June 2022

<https://github.com/sudhar277/Outcast-movieratingwebsite>

- Developed 'Outcast,' a movie rating website from the ground up, employing HTML, CSS, JavaScript, and PHP. Created interactive user interfaces to enhance movie browsing and rating experiences, showcasing a fusion of creativity and technical expertise.

Skills

Python, Java, HTML, CSS, JavaScript, ReactJS, Cloud Computing, Git, SQL, C, C++, Figma, Machine Learning, FastAPI, Data Structures, Embedded Systems, Networking, Operating Systems.

Courses

Basics Of Machine Learning,Front-End Development,Database Management System,UI&UX Design For Beginners.