SUDHARSAN RAM M

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Sudharsanram • portfolio

Executive Summary

Enthusiastic computer science engineering graduate with a strong foundation in programming, problem-solving, and core CS concepts. Looking for an entry-level role where I can apply my skills, learn from industry experts, and contribute to impactful software development projects.

Education

SAVEETHA ENGINEERING COLLEGE | CHENNAI   2022 – 2026

Bachelor of Engineering, Computer Science and Engineering specialized in Internet of things

- GPA: 8.03 (UNTIL 5TH SEMESTER)

Internship Experience

Connect Infosystem

Web Designing and Development   June 2024 – July 2024

- Developed a full-featured e-commerce site for computer accessories.
- Designed responsive and intuitive UI/UX for easy navigation.
- Built using HTML, CSS, and JavaScript for a scalable solution.
- Performed testing and debugging for cross-browser compatibility.

Technologies

Languages: C • Java • JavaScript • Python

Frontend: ReactJS • HTML • CSS

Backend: NodeJS • SQL

Non-Technical: Communication • Analytical Skills • Creativity • Leadership • Self Motivated

Projects

Melanoma Detection Using Machine Learning Techniques | Python, ML, CNN   *Git Hub* ↗

- Developed a machine learning-based system to detect melanoma from dermatoscopic images using pre-trained deep learning models (ResNet50, AlexNet, VGG16, VGG19).
- Applied transfer learning and extensive data augmentation (Albumentation) to improve model accuracy and reduce overfitting.
- Achieved 94% accuracy using ResNet50, outperforming other models in precision and recall.
- Deployed the model using a Flask-based web application for real-time image classification and user-friendly interface.

Smart Barricade System using STM32 | C++, Python, JavaScript

- Designed a road safety system using STM32 and GPS to detect hazardous zones.
- Provided real-time alerts via LEDs, buzzer, and app integration for incoming vehicles.
- Integrated Google Maps API to display barricade locations in the app

Certificate

- IBM Z Datathon 2023 and 2024 - A Global Datathon Event - Shooting Stars Foundation (IBM)
- Dynamic Public Speaking Specialization - University of Washington
- Cloud Computing – NPTEL
- Participated in All India Workshop on Parametric design using Fusion 360.
- IOT web interface development conducted by Novitech R&D Private Limited.
- Basics of Computer Networking- Great learning
- Introduction to Artificial Intelligence- Great learning