Sai Harish S

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About

Passionate IT student with a knack towards software development and problem solving. Adaptable and team-oriented, eager to expand technical expertise, work on impactful projects and explore emerging technologies.

Education

Sri Sivasubramaniya Nadar College of Engineering, B.Tech in Information Technology	June 2023 – May 2027
Indian Institute of Technology Madras, Diploma in Programming	May 2024 – Aug 2025
Indian Institute of Technology Madras, Foundation in Data Science	May 2023 – Apr 2024

Experience

Project Intern, CSIR-CSIO, Chennai — June 2025 – Jul 2025

- Part of an IoT-focused team developing a smart Air Quality Monitoring Node.
- Worked hands-on with Raspberry Pi, sensors, and interfaced display units to capture and display environmental data.
- Gained practical exposure to real-world prototyping, embedded system debugging, and data handling.

Projects

SureCLAIM – ML-Powered Insurance Damage Assessment (Ongoing)

- Designing an AI-powered system to assess vehicle damage and auto-generate insurance bills using uploaded images.
- Implementing a deep learning pipeline with YOLOv5 for damage detection and ResNet50 for severity/type classification.
- Flask-based web interface allows users to upload images, preview results, and simulate billing.
- Aims to reduce manual effort in claim processing and increase transparency and consistency

Household Services Web Application

- Built a full-stack service-booking platform connecting customers with home service professionals.
- Implemented three user roles (customer/professional/admin) with request acceptance.
- Used Flask with SQLite for backend logic, sessions, and CRUD-based request handling.

Courses

- Google Cloud Data Analytics- Beginner
- Data Mining- NPTEL

Technologies

Languages: Python, SQL, HTML, CSS, JavaScript

Frameworks & Libraries: Flask, React, Pandas, NumPy, OpenCV

Tools & Platforms: Git, GitHub, VS Code, SQLite, OracleDB, Bash

Soft Skills: DSA, Debugging, Communication, Team Collaboration

Languages Known: English, Tamil, Spanish