

## SUMMARY

IT undergraduate passionate about software development, skilled in Python, C, Java and frontend fundamentals. Developed the MachineGuard website and eager to expand expertise in full-stack and AI-driven applications.

## EDUCATION

### Sri Sairam Institute of Technology(B.Tech IT 2024-2028)

Sai Leo Nagar, West Tambaram,  
Chennai – 600 044

### Velammal Vidyalaya

VELAMMAL AVENUE, KOLADI ROAD,  
PARUTHIPATTU, AVADI, CHENNAI,  
TIRUVALLUR, TAMIL NADU-600071

## SKILLS

- Programming Languages: Python, C
- Web Development: HTML, CSS, JavaScript (Beginner)
- Frameworks / Tools: Streamlit, GitHub, VS Code
- Core Areas: Software Development, Problem Solving, Frontend Design
- Other Skills: Team Collaboration, Project Presentation, Communication

## CERTIFICATIONS

- NPTEL – Developing Soft Skills and Personality
- NPTEL – The Joy of Computing using Python
- NPTEL – Python for Data Science
- Coursera – Introduction to Cybersecurity

## PROJECT EXPERIENCE

### MachineGuard – Smart Factory Monitoring Website

Role: Software Developer | Tools: Python, Streamlit, HTML, CSS, JavaScript

- Developed a real-time monitoring web application for factory safety and risk management.
- Integrated AI-based alert and risk classification modules using Python.
- Designed a responsive frontend interface using Streamlit and basic web technologies.
- Implemented auto-refresh dashboards for live data visualization and alert tracking.
- Aimed to enhance factory safety through data-driven insights and automation.

### EasyGo- Smart Shopping Cart for Visually Impaired and Normal Users

Role: Developer | Tools: Flutter, Dart, Firebase, Arduino, IoT Sensors, RFID

- Developed an IoT-enabled smart shopping system to assist both normal and visually impaired users.
- Integrated RFID and ultrasonic sensors for automatic product detection, billing, and obstacle alerts.
- Built a Flutter mobile app with voice commands, Text-to-Speech, and Speech-to-Text for accessibility.
- Created an admin dashboard for product management, live cart tracking, and real-time analytics.
- Enhanced the shopping experience through automation, inclusivity, and cashless payments.

### TransCare – AI-Powered Support Platform

• Designed and implemented an AI-powered healthcare chatbot for the transgender community using Generative AI API to deliver real-time assistance, personalized guidance, and secure authentication.