

Muthu Harish T

Innovative Software Developer – SIH Finalist

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SUMMARY

Aspiring software engineer with strong skills in Machine Learning and Cloud Computing.

EDUCATION

PSG Institute of Technology, Coimbatore
B.Tech in Computer Science and Business Systems

Aug 2023 – May 2027 (Expected)

CGPA: 8.22

Kanchi Sri Sankara School, Tiruchendur
Higher Secondary Education *Jun 2011 – Apr 2023*

Percentage: 97.5%

PROJECTS

DocuTalk – AI PDF Chatbot

Developed an AI chatbot to interact with PDF documents using Python, LangChain, ChromaDB, and Chainlit. Designed an ingestion pipeline and conversational interface, reducing query response time by 40%.

Aadhaar Face Authentication

Built a secure face authentication system using React.js, face-api.js, Flask, and Azure. Focused on full-stack development, real-time API integration, and anti-spoofing logic.

RealG – PPE Alert + Geofencing System

Deployed an OpenCV-based real-time PPE detection and geofencing alert system. Designed and optimized the object detection model and real-time edge-device processing using Python and Flask.

ACHIEVEMENTS

- Smart India Hackathon 2024 Finalist (Top 6 India)
- Ideathon 2025 Winner
- 1st Place in Tech Expo at PSG Itech

PATENT PUBLICATIONS

Self-Assisted Reading and Scribing System

Publication No: 15/2025

Application No: 202341032601

Publication Date: 11/04/2025

Field: Computer Science

Real - time Emergency Alert and Location Geofencing

Publication No: 24/2025

Application No: 202541046344

Publication Date: 13/06/2025

Field: Electronics

CERTIFICATIONS

Google Cloud Computing – NPTEL (71%)

Computer Networks & Internet Protocol – NPTEL (67%)

ROLES & RESPONSIBILITIES

NSS Volunteer – Sep 2023 to Present
(participated in 10+ community service initiatives)

Placement Representative – Sep 2024 to Present

CSI Secretary - Oct 2025 to Present

SKILLS

Languages: Python, Java, C (basics), React and Node.js

Technologies: Flask, Git, Machine Learning, IBM agents

Platforms: Linux, Google Cloud, Firebase

Soft Skills: Collaboration, Problem Solving, Time Management, Project Management

AREAS OF INTEREST

- Computer Networks
- DBMS
- Machine Learning
- Data Structures and Algorithms
- Operating Systems