



GURU SAKTHI S

Electronics And Communication Engineering

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PROFFESIONAL SUMMARY

Guru Sakthi S, Aspiring innovative developer and visionary entrepreneur, combining technical expertise and problem-solving with leadership and a passion for building impactful tech in embedded systems and IoT.

TECHNICAL PROFILE

LinkedIn: www.linkedin.com/in/gsak2985

LeetCode: <https://leetcode.com/u/Guru-Sakthi>

GitHub: <https://github.com/GSak29>

ACADEMIC PROFILE

2023 - 2027

Kongu Engineering College

Bachelor of Engineering

I am pursuing my Electronics and Communication Engineering.

CGPA: 9.04

2016 - 2023

Bharathi Vidhya Bhavan

HSLC & HSC

Bharathi Vidhya Bhavan Hr. Sec. School, Thindal, Erode – 11
Completed Schooling (Grades 6 – 12) | Tamil Nadu State Board

Percentage: 85.33

SKILLS

Programming Languages

- C
- Java
- Python

Full Stack & App Development

- MERN STACK
- Flutter - Mobile App Development
- Web App Deployment

Soft Skills

- Debugging mindset,
- Documentation,
- Collaboration with hardware teams

Embedded & IoT Development

- Pic
- Esp32
- Raspberry Pi Setup & GPIO Programming
- Sensor Interfacing
- Python Automation

Version Control

- Git & GitHub

Operating Systems & Tools

- Linux (Ubuntu, Raspberry Pi OS)
- Shell Scripting
- Command Line Operations

CERTIFICATIONS

Embedded IoT and Open Source Programming using Raspberry Pi 4

48 hours

Skill Development for Industry-Ready Engineers - Sunshiv Electronic Solution

75 hours

WORK EXPERIENCE

PROJECTS

Indian Currency Denomination Identification Model

Developed a machine learning model to accurately identify Indian currency notes.

Hand Sign Recognition for Communication with the Deaf

Created a real-time sign prediction tool that builds its dataset on-the-spot. The tool is trained using YOLO and connects with the AI Trained Model for enhanced user interaction.

Air Purifier Project

Designed and constructed a working prototype of an air purifier with a carbonated filter, specifically for households in highly polluted areas.

Waste Segregation and Tracking Project

Developed a waste segregator for households and a mobile app for municipalities to track waste segregation across streets, districts, and states.

ACHIEVEMENTS

1st Prize in C Programming Competition

College Level : 1500+ participants — ₹ 1200 cash prize

2nd Prize in Paper Presentation on VLSI in IoT

Presented a paper on the role of VLSI in enabling compact, low-power, and intelligent hardware solutions for IoT devices.

2nd Prize in Ideathon

Presented a project on the topic "ISL Translator Bidirectional".

5th Place in EBox "Top Coders" Event

Logical programming competition and secured a cash prize of Rs. 6000