Guru Sakthi S

📍 28, Veerappanchatram (TP), Ward 19, Tower Line Colony, Erode -- 638011

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PROFILES

✉ : gurusakthis.29aug05@gmail.com
🌐 : https://guru-sakthi.vercel.app
○ : https://github.com/GSak29
in : https://linkedin.com/in/gsak2985

TECHNICAL SKILLS

Programming: C, Java, C++, Python
Microcontrollers: 8086, 8051, ESP32, PIC, Raspberry Pi
Operating Systems: Linux - Ubuntu
Version Control: GitHub, Overleaf(Learning)

TOOLS & SOFTWARE

Proteus
MATLAB
Visual Studio Code
ModelSim
Arduino IDE

AREAS OF INTEREST

Digital Electronics
Embedded Systems
C and Java Programming

SOFT SKILLS

Problem Solving
Team Collaboration
Effective Communication
Time Management
Adaptability

LANGUAGES KNOWN

Tamil — Native
English — Professional Proficiency
Hindi — Conversational

PROFESSIONAL SUMMARY

Electronics and Communication Engineering undergraduate with hands-on experience in embedded systems, digital electronics, and IoT solutions. Skilled in C programming, embedded debugging, and hardware–software integration. Demonstrated ability to independently design, implement, and complete engineering projects efficiently.

EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering
Kongu Engineering College   2023 – 2027
CGPA: 9.04 / 10

Higher Secondary Education
Bharathi Vidya Bhavan   2022 – 2023
Percentage: 85.33%

PROJECTS

Hand Sign Recognition System for Deaf Communication
- Developed ML-based hand sign system for hearing-impaired.
- Achieved high accuracy using 1,000+ labeled images.

Smart Air Purifier Using Dual Activated Carbon Filters
- Automated purifier with dual filters and gas sensors.
- Reduced manual intervention by 80% with IoT control.

IoT-Based Waste Segregation and Tracking System
- Sensor-based system for automatic waste segregation.
- Real-time monitoring through a mobile application.

Portable Electric Rover for Tapioca Harvesting (YUKTI 2025)
- Battery-powered rover reducing manual labor by 60%.
- Selected under IIC, Ministry of Education.

AWARDS & ACHIEVEMENTS

- First Place — College-Level C Programming Competition
- Top 5 — EBox Top Coders Competition using C
- Second Place — Indian Sign Language Translator Ideathon

CERTIFICATIONS

- Oracle Java Foundation Associate
- Embedded IoT using Raspberry Pi 4
- Industry Ready Engineer - Sunshiv Electronic Solution