

Sivananthan S

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OBJECTIVE

Enthusiastic learner in Embedded Systems, passionate about developing real-time solutions using Embedded C, RTOS, and IoT. Eager to contribute to innovative projects in microcontroller programming and cloud integration.

EDUCATION

B.E. in Electronics and Communication Engineering

Government College of Engineering, Salem-11

Currently pursuing 3rd year | GPA: 8.1 (up to 5th Semester)

Higher Secondary

R.K.V Matric Hr. Sec. School, Jedarpalayam, Namakkal-637213.

SKILLS

- Programming Languages: Embedded C, C, C++, Python
- Microcontroller Programming: Experience with Arduino, ESP and STM32
- RTOS: Free RTOS (Task Management, Interrupts)
- Communication Protocols: I2C, SPI, UART, CAN
- Wireless & IoT: Wi-Fi, Bluetooth, LoRa
- PCB Design: KiCad (Basic Experience)
- Web Development: HTML, CSS
- Software: Excel, Word

PROJECTS

- Rover - Currently working on a project involving Robot Operating System (ROS) for real-time robotic applications.
- Smart Home Monitoring & Control (Capstone Project)
- Developed a simple system for wireless environmental monitoring and control using IoT technologies.
- Digital Temperature Monitoring System
- Traffic Hotspot Analysis
- AI Project: Personal Assistant API

LANGUAGES KNOWN

- Tamil
- English

EXTRA-CURRICULAR ACTIVITIES

- NSS Volunteer (During Graduation)
- Student Secretary, Department of Electronics and Communication.

CERTIFICATIONS

- Attended workshop on Antenna Design, Fabrication, and Testing.
- Won 2nd place in Paper Presentation, Dhruva Symposium, Karpagam College of Engineering, Coimbatore.
- Participated in the final round of Cyber Trail'24 by LIVEWIRE

DECLARATION

I hereby declare that the above content is true to my knowledge.

Sivananthan S