SIVAPRAKASH MARUTHACHALAM

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OBJECTIVE

I am a passionate Electronics and Communication Engineering (ECE) student with a strong interest in embedded systems and IoT development. I specialize in embedded programming and device integration to develop efficient IoT solutions.. I am proficient in C and more interested in hands-on activities.

TECHNICAL SKILLS

- C PROGRAMING
- EMBEDDED SYSTEMS

TOOLS

- TinkerCAD
- Proteus
- Arduino IDE
- Canoe

VERBAL

- TAMIL
- ENGLISH

PROFESSIONAL EXPERIENCE

INTERNSHIP   **JUL 2024 - AUG 2024**
BHARAT SANCHAR NIGAM LIMITED (BSNL) - TRICHY

- Acquired basic knowledge in telecom technologies, networking, signal processing, communication protocols, hardware systems.
- Studied cellular technologies (GSM,CDMA,LTE).

Embedded System Workshop-GCES Trichy   **FEB 2023**

- Learned embedded Arduino programming and conducted hands-on experiments using IDEs.
- Explored the working principles and various types of sensors.
- Developed skills in prototyping .

EDUCATION

GOVERNMENT COLLEGE OF ENGINEERING,SRIRANGAM   **2022- 2025**

- Current CGPA : 7.0 till (6th sem)
- Pursuing a Electronics and Communication Engineering

GOVERNMENT PLOYTECHNIC COLLLEGE TRICHY   **SEP 2020- JUN 2022**

- DIPLOMA in Electronics and Communication Engineering
- Academic percentage : 92%

PROJECTS

SOLAR PANEL AUTOMATIC CLEANER ｜**Arduino UNO,Motor drive L298N and Motor**

Develop a bot that cleans solar panels by itself. It uses brushes or wipes to remove dirt and dust, helping the panels work better and produce more energy. It runs on battery, so it doesn't need extra electricity. This saves time and effort by cleaning the panels without human help