**Sakthi Saravanan A**

**PROFILE**

An enthusiastic engineer of Electrical and Computer Engineering background to build a long-term career in the field of IoT, Object-Oriented Programming, Micro-controllers, Information Technologies, and related areas with opportunities for career growth and to enhance my educational and professional skills in a stable and dynamic workspace.

**EDUCATION**

* **B.Tech.** **Electrical and Computer Engineering**

**CGPA – 8.49 / 10 2019-2023**

Amrita Vishwa Vidyapeetham, Coimbatore

* **Class 12** – 83.8% **2019**

Institution: Maharishi International Residential School

* **Class 10** – 93.6% **2017**

Institution: Bharathi Vidya Bhavan

**TECHNICAL INTERESTS**

Internet of Things

Cloud Computing

Data Structure Algorithm

**PROJECTS**

**Chocolate wrapper detection**

Objective: To develop a basic circuit that detects, if the chocolate passing through the conveyer belt is wrapped or not.

Tools & Techniques used: Multisim

**Scientific Calculator**

Objective: To develop a scientific calculator using PIC16F877A

Tools & Techniques used: Proteus and MPLAB IDE

**SCADA Network**

Objective: To develop a SCADA Network that can monitor and communicate with micro-

controllers to automate gates when car arrives

Tools & Techniques used: Python IDE , Raspberry Pi

**Home Automation**

Objective: To design a home automation system that can operate itself on its own as well as be controlled through Wi-Fi.

Tools & Techniques used: Arduino IDE, ESP 32

**TECHNICAL SKILLS**

**Languages:**

C, Python, C++, MySQL

**Technologies:**

AWS   
MATLAB   
Proteus Design Suite   
MPLAB IDE   
Keil IDE   
QtSpim IDE

**ACHIEVEMENTS & HONOURS**

**AWS Cloud Practitioner Certification -** Amazon Web Services, Amazon Inc., (certified)