ARAVINTH J

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OBJECTIVE

As an entry-level Engineer, I bring a fresh perspective, innovative ideas, and a strong learning mindset. Highly adaptable and motivated, I am eager to kick start my career with your company. I am excited to contribute to the development of cutting-edge embedded solutions and grow within this role.

EXPERIENCE

Graduate Innovation Engineer Trainee **Feb 2024-June 2024**

At Forge Innovation and Ventures

Gained knowledge in applied design thinking, industrial design, and prototyping techniques, understood intellectual property rights, and acquired hands-on experience with Raspberry Pi 4.

INTERNSHIP

26 June 2023-31 July 2023

Internship training on **INDUSTRIAL BASED EMBEDDED SYSTEMS WITH ARTIFICIAL INTELLIGENCE & IOT**

WORKSHOPS

Robotics-Two days workshop on **ROBOTICS** by **ROBOMIRACLE Technologies Private Limited, Coimbatore**

SKILLS

- C(Programming Language)
- Embedded C
- Embedded Systems
- Microcontrollers - 8051, PIC16F877A,STM32
- Communication Protocols -USART,SPI,I2C
- Keil uVision 5
- Proteus
- MPLAB x IDE
- STM32cubeIDE
- MS Excel
- Problem solving

EDUCATION

B.E – Electronics and Communication Engineering **2020-2024**

At Government College Of Engineering Srirangam , Trichy-12

CGPA-7.85

School Education

At Grace Matric Hr Sec School , Erode **2019-2020**

HSC-75%
SSLC-93.8%

CERTIFICATION COURSE

Embedded Systems

Completed an intensive Embedded Systems course at **PUMO TECHNOVATION Velachery**, focusing on practical and theoretical knowledge to design, develop, and implement embedded systems.

PROJECTS

1.AI Integrated Wildlife Surveillance System

In AI Integrated wildlife surveillance system ,our team done the communication part by connecting two Raspberry pi 4 by connecting two Raspberry pi in separate hotspot.

2.Door lock system using 8051 Microcontroller

Developed and implemented a door lock system using an 8051 microcontroller with a 4-channel driver.

3.Employee Identification System using PIC16F877A

Employee Identification System utilizing the PIC16F877A microcontroller to automate and secure employee attendance and identification processes.

4.PWM-Based Motor Speed Control using STM32F401RE

Developed and implemented a PWM-based motor speed control system using the STM32F401RE microcontroller. Configured Timer2 in PWM mode to generate variable duty cycle signals for controlling motor speed.