YUVARANI BOOBALAN
Yuvarani2003ap@gmail.com | +91 6379943334

OBJECTIVE:

Highly motivated and experienced embedded systems engineer with a strong background in C programming, microcontrollers, and software development. Proven track record of delivering high-quality projects on time, with a focus on innovation and efficiency. Skilled in problem-solving, team collaboration, and technical leadership.

CAREER PROFILE:

PUMO TECHNOVATION INDIA Pvt. Ltd,.. EMBEDDED DEVELOPER

- Embedded C programming Language.
- Designing and developing Embedded software and hardware solution.
- Troubleshooting and debugging embedded system, resolving issues related to hardware, software and communication protocols.
- Developed for **8051, PIC16F877A** and **STM32** microcontrollers ensuring efficient and reliable operation.
- Conducted hardware interfacing for various sensors, displays, and wireless modules to meet project requirements.
- Designed and optimized communication protocols, including **I2C, SPI** and **USART** for seamless data exchange in embedded system.
- **Development tools** : MP-LAP IDE, KEIL, CODEBLOCKS, PROTEUS.

PROJECT :

Smart Lock System based IOT

Goal:

- The primary goal of a smart lock system using NodeMCU ESP8266-based IoT is to provide convenient and remotely controllable access to a door or area, enabling features like keyless entry remote locking and potentially integration with other smart home systems
- This project is to develop a secure, remotely accessible, and automated door authentication and IoT integration.

Smart Blind Stick with Object Recognition using ESP32-CAM and ESP8266 Goal:

- A smart blind stick incorporating object recognition using an ESP32-CAM and ESP8266 aims to enhance the navigation and safety of visually impaired individuals.

INTERNSHIPS:

- **Polenza tech solutions, Chennai-600 045.** **(2024)**
  I had been studied about basic pico w and Raspberry pi using IOT.
- **Pantech elearning, Chennai-600 045.**
  I had been learned about the different types of sensors using arduino software more number of realtime tasks using these sensors**.**

SKILL BASED COURSE:

- IOT
- Embedded system

EDCATION SUMMARY:

- B.E Electronics and Communication Engineering. **(2021-2025)**
  Adhiparasakthi College of Engineering, Kalavai at Ranipet and obtained 82%.
- HSC Completed in Government Girls Higher Secondary School, Vandavasi and obtained 84%.
- SSLC Completed in Govt Girls Higher Secondary School, Perungattur and obtained 78%.

ADDITIONAL INFORMATION:

- **skill:** C programming
- **Soft skill:** strong communication and teamwork skills, with experience working in collaborative environment, critical thinking and problem solving.