



# Elphin Josnell AS

+91 9345802415

elphinjosnell2001@gmail.com

<https://www.linkedin.com/in/elphin-96475419a>

Kanyakumari, Tamil Nadu, India

## Technical Skills:

### Programming Languages Skillset:

- C Program
- Embedded C Program
- C++ Program (Basic Level)
- Python Program (Basic Level)

### Communication Protocols Skillset:

- SPI Protocol
- UART Protocol
- I2C Protocol
- HTTP Protocol

### IoT Skillset:

- IoT Development
- GSM (2G & 4G)
- AT Commands
- Wi-Fi

### Microcontroller Skillset:

- Microcontroller program
- Debugging
- EEPROM & Flash memory
- ADC & DAC
- GPIO

### Software Skillset:

- Arduino IDE (Proficient)

### Display Skillset:

- UI Integration for Normal & Touchscreen Displays

# EMBEDDED SOFTWARE ENGINEER

## Summary:

An experienced Embedded Software Engineer above 1 year and 8 months of experience in designing, developing, testing, and implementing embedded software systems, particularly in IoT - enabled projects with proven track record of successful Integration.

## Education:

- **Bachelor of Engineering in Electronics & Communication** (2020-2023) at **Govt College of Engineering, Tirunelveli** – Scored: **80%**.
- **Diploma Engineering in Electrical & Electronics**, (2017-2020) at **Govt Polytechnic College, Kanyakumari** - Scored: **76%**.

## Professional Experience:

**Embedded Software Engineer at Quick Vital Sign, Chennai** (Nov 2024 – Present)

### Key Responsibilities:

- Designed and developed high-performance embedded software using Embedded C for microcontroller platforms.
- Implemented IoT solutions for data collection and transmitting the data to a server via the HTTP protocol.

**Embedded Software Jr Engineer at MicroGo Pvt Ltd, Chennai** (Jun 2023 – Oct 2024)

### Key Responsibilities:

- Designed and developed high-performance embedded software using C and C++ for microcontroller platforms.
- Implemented IoT solutions with sensor integration and communication modules for monitoring.
- Developed communication interfaces using various protocols like (SPI, I2C, UART & HTTP).

## Projects:

### Embedded C Development for IoT projects related to

- Collected data from multiple microcontrollers and sent it to the server using the HTTP protocol.
- Development of a Hand Hygiene Machine with Attendance Tracking Using Embedded C Program.
- Development of a Temperature Gun.
- Use case testing and API integration with web technologies.

## Certificates / Awards:

- **IBM Developer Skills:** IoT - Based Gas Leakage Security System
- **Edu Prep:** C Programming language, C++ (Basic Level).