

Abhishek Gowda N.D (3.1 Years' Experience)

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Objective

To obtain a creative and challenging opportunity where I would be able to learn new things, grow personally and professionally and also contribute significantly to the growth of the Organization.

Professional Experience

1.6 years - **Elecsis Infotech** – Aug 2023 to Present → Role: **Embedded Software Developer**



1.5 years - **Ram Engineering Co** - Feb-2022 to Jul-2023 → Role: **Quality Inspector**

- Proficient in programming with **C, C++**, and **Data Structures & Algorithms**, along with hands-on development experience.
- Strong understanding of **Object-Oriented Programming** (OOP) concepts and **Object-Oriented Analysis and Design** (OOAD).
- Extensive experience with communication protocols such as **I2C, SPI** and **UART**.
- Skilled in working with microcontrollers, including **Holtek** and **ARM7 LPC2148**.
- Expertise in implementing and configuring **ADC, timers, UART, interrupts**, and **EEPROM** functionality.
- Proficient in interfacing and programming various peripherals and modules, such as: **LEDs, Relays, Stepper Motors, 4x4 Keypads**, and **PWM** modules.
- Communication and identification devices: **GSM, RFID** and **fingerprint** Modules.
- Display devices: **Glass LCDs & Memory** devices like **EEPROM**.
- Experience with **GIT, Gerrit**.

Technical Skills

- **Programming Languages** : C, Embedded-C.
- **Tools Used** : Keil u Vision, Microsoft Office, Excel
- **Micro-Controllers** : ARM7 LPC2148, 8051.
- **Peripherals** : PWM based designs for DC, Light intensity control and Stepper Motors, Serial ADC/DAC, Memory (EEPROM), GSM-SIM900, Various analog sensors, RFID, fingerprint Module-R305

Projects:

Company: ELECSIS INFOTECH (OCT 2023 – Present)

1: LANTERN BOARD AND CONTROL PANEL AUTOMATIC TESTING EQUIPMENT

Hardware/Software : Keil u Vision, Serial Bootloader, Terminal, CRO, Flash Magic.

Role : ADC and UART Code for ARM7 LPC2148.

Description:

- The project dealt with designing of electronic equipment where it could be able to test the lantern boards automatically.

- This project designed to capture the PWM pulses which have been generated from our Lantern by using CCP Module,
- Analog Voltages by using ADC Module.
- The DAC Module has been used to generate different Duty Cycles to vary the intensity of the light.
- This Project Finally saved a lot of time in testing our Lantern Boards.

2: EEPROM BASED ELECTRONICS DIG HALER COUNTING MACHINE

Hardware/Software: HT-IDE3000, Terminal, HOLTEK C Compiler (V3), CRO.

Role : GPIO, TIMER INTERRUPT, WDT, SLEEP, SCOM, EEPROM Driver code for HT66F004, BIT BANGING UART code for HT66F004, Glass LCD interfacing with HT66F004, Basic Application Code.

Description:

- Project designed to provide accurate digital dose counter along with low dose warning indicator to enable Asthma and chronic obstructive pulmonary disease (COPD) patients to keep track of their daily doses.
- This project has got EEPROM feature inside where it holds the last count and that count will be displayed on Glass LCD.
- After every 15 seconds the microcontroller goes to sleep mode and this feature saves the battery power and battery voltage can run for a long time.

ACADEMIC DETAILS

- Bachelor of Engineering from EWIT Bengaluru, (2016 - 2020) - CGPA- 7.08.

PERSONAL DETAILS

Date of Birth	:	22 June 1998
Gender	:	Male
Languages Known	:	English, Kannada, Hindi
Permanent Address	:	Naganahalli(V), Yalagalavadi (Post), Kunigal (Tq) Tumkur (Dist), Karnataka - 572130.

Place: Bangalore
Date:

Signature