# **A.ALIBASHA**

# SENIOR SOFTWARE DEVELOPER

## **Key Skills**

- GIT
- Teraterm
- 12C
- BIOS
- Microcontroller 8051
- CMOS
- ARM Processor
- Embedded C
- PIC
- MPLAB
- Proteus
- Control Desk
- Canape
- MATLAB
- Cadet Activities
- TRACE32
- Oscilloscope
- Lauterbach
- Firmware
- Python
- Timers
- LCD
- RTOS

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LOCATION I Chennai, INDIA

**EXPERIENCE I** 5 Years 7 Months

## **Profile Summary**

Seeking a challenging opportunity in Embedded development to leverage my passion for learning new technologies and delivering high-quality results. Eager to contribute to long-term projects in a full-time role, I am committed to maintaining a stable work-life balance.

# **Work Experience**

#### Senior Software Developer

Caterpillar (Randstad Technologies)

04/2023 - Present

Now Currently working with Platform software Test application development Debugging skills for driver code update and Dspace Regression HIL Testing in automotive domain.

#### **Embedded Firmware Developer**

**HCLTech** 

05/2021 - 04/2023

Bios and Uefi developer for INTEL client Bangalore. UEFI work with client based processor.

I3c protocol Testing and validation and debug if we get any bugs driver as well as application code embedded c and python scripts changes fix it for Microchip client chennai.

## **Embedded Software Engineer**

Cypher Circuits(Internship)

07/2020 - 05/2021

1.Santizer project. 2.PLC controller 3.Relay RTC timer 4.Triac fan speed controlled using PWM duty cycle Nuvoton N76E003 controller IOT based project 6.IR

- Arduino IDE
- ADC
- PWM
- I3C
- UEFI
- Nuvoton
- ARDUINO
- SPI
- CAN
- UART

#### Certification

- NPTEL
- IIT ROBOZEST
- International Conference

## Languages

- English
- Urdu
- Tamil
- Arabic

#### **Hobbies**

- Spreading Useful Information Day To Day Life Technology Advances
- Cricket All Rounder
- Carrom

#### Extra curricular activities

Prayer, Meditation, Gym
 Physical fitness giving to more importance to get a stable health life balance.

Extender 7. Water tank controller 8. Automatic high way street light application using RTC

## R and D Embedded Hardware Engineer

Manatec Electronics 04/2019 - 07/2020

Embedded Engineer, Validation and Testing engineer for TPMS and EV charging station. High power circuits handling individual testing of 20kw DC charging station and 10kw Ac charging station.

# Hardware Engineer TURN ON LED LIGHTS

02/2018 - 04/2019

LED PCB Driver sub components levels debug and fix it. If, we get any failures for led lights 18w, 24w tube lights, Street lights & Highbay light etc..

#### Education

B.Tech/B.E. - Electronics/Telecommunication 2017

Achariya College of Engineering Technology Grade - 7.79/10

12th

2012

Diploma, English Grade - 80-84.9%

10th

2009

Tamil Nadu , Tamil Grade - 85-89.9%