

A.ALIBASHA

Embedded Firmware  
Developer

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EMAIL | a.alibasha93@gmail.com

LOCATION | Chennai, INDIA

EXPERIENCE | 6 Years

## Key Skills

- GIT
- Tera term
- I2C
- BIOS
- Renesas M32180
- STM32
- ARM Processor
- Embedded C
- PIC
- MPLAB
- Proteus
- Control Desk
- Canape
- MATLAB
- Cadet Activities
- TRACE32
- Oscilloscope
- Lauterbach
- Firmware
- Python
- Timers
- LCD
- I3C

## Profile Summary

Seeking a challenging opportunity in Embedded C development Eager to contribute to long-term projects in a full-time role, I am committed to maintaining a stable work-life balance.

### Work Experience

#### NIBAV Lifts Pvt Limited (08/2024 - 12/2024)

Firmware Engineer

CAN Modbus Lift safety Firmware bugs upgrade code changes privacy glass etc.

#### Embedded Software Developer

Caterpillar (Randstad Technologies)

04/2023 - 04/24Contract

Platform software Test application development  
Debugging skills for HAL driver code update EOL  
Development MATLAB Script Test automation etc.

#### Embedded Firmware Developer

##### HCL Technologies

05/2021 - 04/2023

Uefi developer for INTEL client Bangalore. UEFI work  
with client based processor Alder lake board pkg.

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 Extender 7.Water tank controller 8. Automatic  
high

- MATLAB
- ADC
- PWM
- I3C
- UEFI
- NUVOTON
- Rock Chip
- Modbus
- 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.

way street light application using RTC

## R and D Embedded Engineer

### MANATEC Electronics

04/2019 - 07/2020

Embedded Engineer R and D division engineer for TPMS and EV charging station. High power circuits handling individual analysis development of our own full product application support for 20kw DC charging station and 10kw Ac charging station.

## Electronics specialist 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 & High bay 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%