

PERSONAL INFORMATION

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Email

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Mobile

(+91) 9347805325
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Total work experience

1 Year 0 Month

KEY SKILLS

- C++
- C
- Linux
- Embedded C
- Embedded C++
- ARM Architecture
- Can Protocol
- UART
- I2C
- SPI
- Canoe
- RTOS

OTHER PERSONAL DETAILS

- City

Bengaluru
- Country

INDIA

LANGUAGES

- English
- Hindi

Nitish Kumar
vykuntam

Associate Software Engineer

PROFILE SUMMARY

To obtain a challenging position in a high quality engineering environment where my resourceful experience and academic skills will add value to organizational operations.

EDUCATION

- 2023

B.Tech/B.E.

Narasaraopeta Engineering college
- 2020

XIth

English
- 2017

Xth

English

WORK EXPERIENCE

- Mar 2024 - Present

Associate Software Engineer

L&T Technology Services (LTTS)

iam responsible in developing and debugging firmware, working with microcontrollers, and optimising embedded systems using C and C++

INTERNSHIP

- 31 Days

A complete course on Basics of IoT

National Power Training Institute (NPTI)
- 6 Months

A complete course Embedded Systems

Vector India

Projects

- 184 Days

Virtual Body Control module using CAN Controller

Virtual Body Module Control system using the CAN (Controller Area Network) protocol enables efficient communication between electronic control units (ECUs) in automotive or robotics applications. The CAN protocol

ensures reliable data exchange for controlling virtual body functions like lighting, door locks, or climate control. Each module (e.g., sensors or actuators) communicates over a shared CAN bus, reducing wiring complexity and enhancing system scalability. This approach is widely used in vehicles for seamless and robust operation of body control systems.

61 Days

Weather monitoring system using temperature sensor, SPI and I2C Protocols

Weather Monitoring System uses temperature sensors like DHT11 or LM35 to measure ambient temperature and other environmental parameters. The system employs I2C and SPI protocols to interface sensors, microcontrollers, and display modules efficiently. I2C is used for connecting multiple sensors (e.g., humidity or pressure sensors) with a single microcontroller, while SPI enables high-speed communication with displays or storage devices. Data is processed and displayed on an LCD or uploaded to a server for monitoring. This setup is ideal for real-time weather tracking in smart environments.

30 Days

Home automation using Bluetooth and UART protocol

Home automation using Bluetooth and UART enables wireless control of appliances through simple serial communication. A Bluetooth module (e.g., HC-05) interfaces with a microcontroller via the UART protocol to receive commands from a smartphone. The microcontroller processes these commands and controls appliances using relays or actuators. This system is cost-effective, easy to implement, and offers seamless control of lights, fans, and other devices via a user-friendly mobile app. It is ideal for DIY projects and small-scale automation.

COURSES & CERTIFICATIONS

- Certified on Internet of things
- Certified on Embedded systems