T Lakshmi Sagar

lakshmisagar811@gmail.com

Phone no: 6305596277

Career Objective:

To evolve into a hardworking and sincere profession, contributing to the success of your organization and also expanding my skills in terms of creativity and teamwork.

Executive Summary:

Completed Advanced Diploma in Embedded Systems at Radar Technical Center India Private Limited, Bangalore.
Having hands on experience in C Language, Embedded C & Linux.
Good exposure to Device drivers and Data Converters development with various protocols such as RS-232, RS-422, RS-485, I2C, SPI, CAN**.**

Academic Qualification:

Qualification	Institution	University/broad	Year of Passing	CGPA/ Percentage
B-Tech (ECE)	Sri Venkateswara College of Engineering and Technology	JNTU-A	2022	6.7
Intermediate	NRI Academy	Board of Intermediate	2018	87%
SSC	SIR C.R.R High School	Board of Secondary Education	2016	7.3

Technical Skills:

- Programming Languages : C Language, Embedded C.
- Operating System : Linux, Free RTOS.
- Tools Used : Keil 4.0, Com-debug.
- Micro-Controllers : LPC2129, LPC2148, Arduino Nano.
- Protocols Used : RS-232, RS-422, RS-485, CAN, SPI, I2C.
- Device Drivers : UART, I2C, SPI and CAN.

Extra Skills:

- Good Social Communication.
- Good presentation & Coordinate skills.
- The ability to handle pressure and meet deadlines.

Project Work:

- Project Name : Digital Weighting Machine Using Load Sensor

The objectives of the system were to read weight measured in the conventional analog form to digital form, achieve high precision in measurement and calibration.

This component used for this research are Load Cell, Hx711 Load Cell amplifier, Arduino Nano Microcontroller, and an LCD module.

In this research, a 10kg load cell is used. The load cell sends output signals of the mechanical weights measured to the Hx711 module which amplifies and sends the output to the Arduino microcontroller. The microcontroller calibrates the output signal with the aid of the load cell amplifier module before sending the signal which is already converted to digital form to the LCD module for display.

College project work:

- Project name : Pothole Detection and Levelling Robot Using Arduino UNO

Roads are the dominant means of transportation in India today. Over the last two decades, there has been a tremendous increase in the vehicle population. Potholes are formed due to heavy rains and movement of vehicles. So buy using microcontroller Arduino uno and sensors, drivers, relays, loads we can solve the problem of pothole by making them fill temporary and reduce the accident.

Personal Details:

Name	: T Lakshmi Sagar
Father name	: T Sudhakar Reddy
Date of birth	: 11/08/2001
Gender	: Male
MaritalStatus	: Single
Languages Known	: English, Telugu, Tamil
Hobbies	: Browsing, Listening Music, Playing
Nationality	: Indian
Address	: Krishnapuram(V), Mallakunta(P), Thavanampalli(M) Chittoor(D), 517129.

Declaration:

I hereby declare that the above details are correct and true to the best of my knowledge.

Place : Chittoor **Signature**

(T Lakshmi Sagar)