Somu Sailaja

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**CAREER OBJECTIVE:**Looking for a challenging role in a reputable organization to utilize my technical and management skills. For the growth of the organization as well as to enhance my knowledge about Newland emerging trends IT sector Profile.

**EXECUTIVE SUMMARY:**Completed **Advanced Diploma in Embedded Systems** at Radar Technical Center India Private Limited, Bengaluru.  
Having Good developing knowledge in **C Language, Embedded C LPC 2148 Microcontrollers and Microprocessors, Operating systems, Data structures and Device Drivers**.

**EDUCATION:**

#  Dr.Lankapalli Bullayya college of engineering, Visakhapatnam

July 2018 - May 2022

Bachelor of Technology (ECE) - 75.8%

#  Sri Chaitanya junior kalasala, Vijayawada

June 2017 - April 2018

Intermediate-92.7%

#  Swami High School, Narasaraopet

June 2015-April 2016  
 Schooling-87 %

**TECHNICAL SKILLS:**

* **Programming Skills**: C Programming, Embedded C and Data Structures.
* **Protocols**: UART, SPI, I2C, CAN, RS-232, RS-422 and RS-485
* **Application Tools**: Keil u Vision 4, Com Debug, ISI Proteus
* **Operating Systems**: Windows7 and Linux, Shell Basics.

**STRENGTHS:**

* Goal-oriented work with good communication skills
* Ability to work in a team environment
* Can learn to do things quickly and contribute to the success of the organization

**CERTIFICATIONS:**

* Successfully Completed Course on ARTIFICIAL INTELLIGENCE in skill up.
* Successfully Completed Coursera on LEARN POLITE ENGLISH.

**PROJECT DETAILS:**

Title: Digital Weighting Machine Using Load Sensor

Description: In this project we have used Arduino to control whole the process. The load cell senses the weight and supplies an electrical Analog voltage to the HX711 Load Amplifier Module.HX711 is a 24-bit ADC, which amplifies and digitally coverts the Load cell output. Then this amplified value is fed to the Arduino. Now Arduino calculates the output of HX 711 and converts that into the weight values in grams and show it on LCD.A push button is used for calibrating the system.

Hardware Requirements: Arduino Nano Microcontroller, A 10kg load cell, HX711 load amplifier module, 16x2 LCD.

Software Requirements: Arduino IDE.

**CO-CURRICULAR:**

* Participated in International Earth Day -2021 E-Quiz Conducted by Eco Club of Dr. Lankapalli Bullayya College of Engineering.
* Participated in IETE Students Dy Celebrations-2020 Organized by IETE Visakhapatnam Centre & ISF AU College of Engineering.

**DECLARATION:**

I hereby declare that all the details furnished above are true to the best of my knowledge.

**Signature**S.Sailaja pg. 2