

Sneha S

Embedded Software Engineer

Mobile: +91 6379058234

Email: kksakthisneha@gmail.com

6-Months Exp.

Chennai

Objective:

Enthusiastic and detail-oriented Embedded Software Engineer with degree in BE (EEE) from Anna University proficient in C, C++ and Embedded C with hands on Experience in Microcontroller programming and Hardware Interfacing. Eager to apply my skills in a dynamic team environment and contribute to innovative embedded solutions.

Educational Qualification

First Class in Bachelor of Engineering in **Electrical & Electronics Engineering** from **Jeppiaar Engineering College**, Anna University, Tamil Nadu in **2023** with **CGPA - 8.5**.

H.S.C (12th), C.K School of Practical Knowledge Matric Higher Secondary School, Cuddalore, Tamil Nadu in **2019** with **61%**

SSLC (10th), C.K School of Practical Knowledge Matric Higher Secondary School, Cuddalore, Tamil Nadu in **2017** with **92%**

Professional Experience

VECTOR INDIA INSTITUTE, Chennai.

Nov.2023 to Jun.2024

Undergone for a **6 months** hands-on training program on Advanced Embedded System Development.

Skill Set Summary

Programming languages	: C, C++, Embedded C, Linux Internals, TCP/IP, RTOS,
Communication Protocols	: CAN, I2C, UART & SPI.
Controller Peripherals	: ADC, EEPROM, Timers/Counters.
Controller Interfacing	: PWM, RS232, LCD, 7-Segment Display.
Controller Expertise	: ARM7-based LPC2129 and 8051 uC.
Operating System	: Windows 11, MS Office
Cross Compilers	: Keil IDE

Certification Project

MULTILEVEL SECURITY SYSTEM:

Utilizing the I2C protocol for EEPROM (AT24C08) interfacing, UART for GSM, and interfacing a 4x4 keypad with an LPC2129 board. Users input a password stored in the EEPROM, followed by the input of a received OTP via the keypad. Correct OTP entries trigger motor rotation, while incorrect attempts prompt security alerts.

Academic project

AN ANN BASED ANTI-DISTURBANCE REJECTION CONTROLLER DURING POWER BACK UP SWITCHING FOR ELEVATOR DRIVES:

During the power failure, the delay in the changeover switch causes fluctuation in the motor speed. Hence a speed controller is used to overcome the limitation. Developing an intelligent controller, the proposed system responds very fast and the power losses are reduced.

Personal Profile

Father's Name	:	Mr. Sakthivel K
Date of Birth	:	27.11.2001
Sex	:	Female
Marital Status	:	Unmarried
Nationality	:	Indian
Languages	:	Tamil & English
Permanent Address	:	No. 96, Mariyammankovil Street, Kumalankulam, Naduvirapattu (PO), Cuddalore, Tamilnadu 609 102.
Communication Address	:	No.40, Sarangabani Street, Ezhilnagar, Sholinganallur, Chennai- 600 119.

Place: Chennai

(SNEHA S)