

CAREER OBJECTIVE:

To work in a challenging environment using my technical, analytical and management skills for the growth of the organization and improve, build upon my knowledge and expertise for personal and professional growth

EDUCATION QUALIFICATIONS:

S.NO.	Qualification	Institution	Board/University	Year of passing	% or CGPA
1.	B.Tech (ECE)	Ramachandra Collage Of Engineering, A.P.	JNTUK, A.P.	2021-2024	71
2.	DIPLOMA	Sir Cr. Reddy Polytechnic, Eluru	S.B.T.E.T	2018-2021	71
3.	SSC	Sri Sarvani [E.m] school, ELURU	SSC. A.P.	2017-2018	8.7

ACADEMIC PROJECTS:

- **Rfid Based Door Locking System Using Gsm Module:** In order to circumvent some of these restrictions, this article details the development of a security lock that makes use of the Radio Frequency Identification (RFID) network and the Global Systems for Mobile (GSM) communications technology. A user is identified via an RFID tag in the proposed lock system. We can see that the actual lock mechanism will function as intended since the outcomes of the simulation were good.
- **SMART WEATHER MONITORING SYSTEM:**
In this project I used UART communication protocol, to get the temperature (LM35) and humidity (DHT11) information from TM4C123 Microcontroller and displayed it on 16*2 monochrome LCD along with that RTC interfacing keeps the track of current time. The total setup is interfaced with WIFI module which is used to upload the collected data into the website with timestamp. This automatically updates the temperature as well as humidity values with respect to time for every 2 sec.

TECHNICAL SKILLS:

- Embedded Software Development: C, Embedded C, Linux, C++ and Tcp/ip
- Operating Systems: Windows (all versions), Chrome OS, Linux
- Tools & Utilities: MS Office, MATLAB, Chrome Office
- IoT & Prototyping: Arduino, RFID-based systems, Embedded system design

INDUSTRIAL TRAINING:

- Completed internship in “ELECTRONICS CORPORATION OF INDIA LIMITED”, and submitted “A PROJECT ON EMBEED SYSTEM DEVELOPETVLSI DFT COURSE”

ACADEMIC ACTIVITIES:

- Certified in NPTEL courses for INTERNET OF THINGS[IOT] which was conducted by IIT MADRAS.
- Worked as intern trainee in Designing and Testing Department for MICRO CHIP COMPUTERS.
- Certified with Embedded System Design from the International Council Of Education & Training.

MINI-PROJECTS:

- DEVELOPED AN TRAIN TICKET BOOKING APP USING THE C LANGUAGE
- DEVELOPED AN DIGITAL CLOCK

WORK SHOP:

- BUILD AN ECP TO GENERATE TWO INTERRUPT SIGNALS BY
USING EXTERNAL INTERRUPTS (EINT0 & EINT1)

Certifications & Courses:

Embedded Systems Development | Vector India, Hyderabad | July 2023 – Feb 2024

- Hands-on experience with **microcontrollers (ARM, AVR, PIC), embedded C programming, and RTOS.**
- Worked with **UART, I2C, SPI, ADC, PWM, and GPIO interfacing** for hardware communication.
- Developed **firmware for IoT and automotive applications** using **Keil, STM32CubeIDE, and Arduino.**
- Implemented **protocols like CAN, Modbus, and TCP/IP for embedded networking.**

PERSONAL DETAILS:

NAME: SUNKARA VENKAT

DOB :28st JANUARY, 2001.

Sex : Male

Father’s name: Mr.S. SRINIVAS RAO.

Languages known :Telugu, English, Hindi

Address : ELURU, A.P, and Pin Code-534002.

DECLARATION:

I hereby declare that the credentials provided above will be proven with the certificates attached to the CV