

# Ramayanam Sujith

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## OBJECTIVE

- To Update, Implement and Evaluate.

## EDUCATION

### Bachelor's Degree in Electronics And Communication Engineering

Ananthalakshmi Institute of Technology and Science | CGPA: 8.46

2020 – 2024  
Anantapur, India

### Board of Intermediate Education (AP)

Narayana Junior College | GPA: 8.07

2018 – 2020  
Anantapur, India

### State Board (SSC)

Narayana E.M High School | GPA: 9.7

2017 – 2018  
Anantapur, India

## SKILLS SUMMARY

- **Programming Languages** : C, C++, Python
- **Operating Systems** : Linux (System Programming)
- **Personal skills** : Quick Learning, Teamwork, Vivid Picturization, Dynamic Thinking.
- **Hardware abilities**: Embedded C, ARM 7, LPC2148 (microcontroller)
- **Tools**: Proteus, Keil u vision4
- **Communication Protocols**: I2C, SPI, UART, CAN.

## PROFESSIONAL EXPERIENCE

### FUTURE SKILL EXPERT

GOVERNMENT OF ANDHRA PRADESH

01/2024 – 04/2024

- contributed to the implementation of the Future Skills initiative in government schools.
- Facilitated digital literacy and enhanced learning experiences.
- Played a pivotal role as a mentor creating awareness about future technologies.
- Received recognition for exceptional commitment and dedication in transforming classrooms into vibrant digital environments, resulting in improved learning outcomes.

## PROJECTS

### SMART HOSPITAL MANAGEMENT SYSTEM WITH IOT INTEGRATION

**MY ROLE** : Team lead and Lead presenter

**MY CONTRIBUTION** : In my project role i led the team and served as a lead presenter ensuring the successful project delivery and clear communication with the panel.

#### DESCRIPTION

- Modern hospitals struggle with managing the patient data.
- Complexity in healthcare operations leads to a delayed patient care
- Lack of the real-time data delay's the decision making process.
- This project provides a unified platform for the patient records, inventory and staff coordination.
- Offers an enhanced efficiency, reduces the errors and improvise better resource management.
- Can evolve to include telemedicine integration and support for personalized patient care.

#### PROJECT ACHIEVEMENTS :

- Awarded with the first place in Project expo conducted at J.N.T. University 📍, Anantapur.

### VEHICLE MONITORING AND CONTROL USING CAN PROTOCOL

- Designed a project on Real-Time Vehicle Monitoring using CAN Bus, integrating engine temperature, window control, and reverse alerts.
- Worked with CAN protocol, LPC2129, ADC, and interrupts.
- Utilized DS18B20, HC-SR05, and MCP2551 for real-time data handling.
- Programmed and tested using Embedded C, Keil-C, and Flash Magic.

### REAL-TIME CLOCK WITH TEMPERATURE MONITORING AND EDITABLE DATE-TIME INTERFACE ON LPC2148

- LPC2148 microcontroller enables accurate Real-Time Clock (RTC) and temperature monitoring.
- Features an editable date-time interface for flexible configuration and control.
- Future scope: Integrate additional sensors or wireless connectivity for enhanced smart system functionality.

### COMMAND VALIDATION SYSTEM USING UART PROTOCOL

- UART-based command validation ensures secure and reliable communication between the microcontroller and external devices.
- Future enhancements could include encryption or authentication for improved security in data exchange.

### LIBRARY MANAGEMENT SYSTEM USING C WITH FILE HANDLING

- Allows users to add, list, and manage books with options for book details and availability.
- File handling ensures data persistence between sessions.
- Utilizes a single linked list (SLL) for efficient book record management.

## ACHIEVEMENTS

- Awarded with FIRST place in Poster presentation at Emerge 2K23 organized by JNTUACEA.
- Participated in 3-day-make-a-thon organized by Samagra Shiksha and UNICEF.
- Acted as committee coordinator for technical committee and Marketing committee at E-UDBHAV a National Level Technical Symposium organised at our college.

## CERTIFICATIONS

- Cleared the exam on Introduction to programming using python - Microsoft
- 21st Century Core Employability Skills Program -APSSDC&Wadhwani foundation
- Introduction To Machine Learning - NPTEL
- Introduction to Internet of Things-NPTEL

## PERSONAL DETAILS

<b>Date of birth</b>	: 28th June 2003.
<b>Gender</b>	: Male.
<b>Languages Known</b>	: Telugu,Hindi,English.
<b>Postal Address</b>	: 18-1-342,venugopal nagar,anantapur,AP.
<b>Marital Status</b>	: Unmarried.
<b>Passport</b>	: Available.

## DECLARATION

I hereby declare that the above information is true to the best of my knowledge and belief.

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**RAMAYANAM SUJITH**  
Anantapur