


# NELAPATI ANIL KUMAR

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## Education

**Sri Venkateswara College of Engineering and Technology**

*B. Tech, Computer Science and Engineering*

**JUL. 2019 – May 2023**

*Chittoor, AP*

## Relevant Coursework

- |          |                   |                       |        |
|----------|-------------------|-----------------------|--------|
| • C      | • Data Structures | • Operating Systems   | • HTML |
| • C++    | • Embedded C      | • Linux CLI           | • CSS  |
| • Python | • IOT             | • UART, SPI, I2C, CAN |        |

## Experience

**Larsen and Toubro Technology Services**

**Mar 2024 – Nov 2024**

*Associate Engineer*

*Mysuru, Karnataka*

- Participated in structured training programs on C++ programming, Linux fundamentals, and Embedded C to enhance technical expertise.
- Gained hands-on experience through practical exercises and real-world examples provided during training.
- Applied training knowledge to improve debugging, code optimization, and working within embedded systems and Linux environments. form the foundation for many modern technologies, making experience with them highly respected and sought after.
- I worked on projects involving C, C++, and Embedded C, gaining practical experience and enhancing my technical expertise in these areas.

**RADRA Technical Center PVT LTD**

**Mar 2023 – Mar 2024**

*Embedded Software Trainee*

*Bangalore, Karnataka*

- Combining C and C++ with IoT experience allows developers to work on both hardware and software layers, offering a holistic understanding of system design, from device programming to cloud integration. projects often involve unique challenges, such as real-time data processing and connectivity issues, which enhance a developer's ability to innovate and adapt while leveraging the robustness of C and C++.
- Expertise in C, C++, and IoT positions professionals for opportunities in cutting-edge fields like smart devices, industrial automation, and wearable technology, contributing to a dynamic and impactful career.

## Projects

**IOT Based Smart Energy Meter / C, C++, IOT, Arduino**

**Nov 2024**

- The IoT-Based Smart Energy Meter and Home Automation system aims to reduce household energy wastage by automating and remotely controlling electrical appliances like lights and fans. Using a NodeMCU(ESP8266) microcontroller and the Blynk app, users can manage appliances through virtual switches. Relays connected to the microcontroller execute commands from the app, enabling on/off control. This energy-efficient system minimizes unnecessary power consumption, ensuring convenience and sustainability

**IOT Based Smart Crop Protection System /C, C++, IOT, Arduino**

**Nov 2024**

- The Crop Monitoring System uses sensors and IoT to aid farmers in managing their fields efficiently. Soil moisture sensors track water levels, while PIR sensors detect animal movement, triggering a buzzer and email alerts. A fire sensor enhances safety by detecting smoke or fire. Controlled by an Arduino UNO and a Wi-Fi module, the system provides real-time alerts, ensuring better irrigation and crop protection.

## Technical Skills

**Languages:** C, C++, Python, Embedded C, IOT

**Developer Tools:** Keil, ISIS, Arduino IDE, VS Code

**Technologies/Frameworks:** Linux, Operating Systems

## Certificates

- Certificate in C language at Pace Computer Education.
- Certificated in college level Programming Hackathon 2022

## Declaration

- I hereby declare that all the information furnished above is true, complete and correct to the best of my knowledge