

# Rachita Reddy

## Embedded Developer

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### CAREER OBJECTIVE

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As a fresher, I am familiar with the most recent developments in the industry and can apply those developments to real world challenges and solutions. Excel working in a team with a creative environment where passion is eternal and to put my best efforts in meeting the organizations to achieve excellence.

### AREAS OF EXPERTISE

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**TECHNICAL SKILLS:** Embedded systems| Advanced C| C++ | OOPS | Linux internal | Shell Scripting | Microcontroller | Product design and development| Communication Protocols| Hardware and firmware configuration |Functional testing | Linux |System Calls| Zephyr RTOS.

**SOFTWARES/TOOLS:** Git | Code composer studio| Github | VS Code | Stm32cube IDE| MP LAB| Arduino IDE.

### PROFESSIONAL EXPERIENCE

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**Embedded Engineer At, Intellithink, Bangalore**

**Nov 2023 – Present**

- Collaborated extensively within a cross-functional team in developing, testing firmware for sensor devices utilized in IoT-based condition monitoring. This platform is used to configure sensors and transform data generated.
- FOTA update.
- Sensor configuration.
- Worked on POE devices.
- Firmware Update through python script.
- Learning: Modbus protocol, MQTT, I2C Protocol, UART.
- Streaming the derived data.
- Functional testing, Worked on Vibration sensors.

**Embedded system Intern, OLA Electric Bangalore.**

**AUG 2023-NOV 2023**

- Collaborated with a team in developing EV charger.
- Understanding the code, basic architecture and working of the EV charger.
- Actively contributed to coding, testing and debugging tasks, ensuring the project's smooth functionality and performance.

### PROJECTS

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#### **LSB based Image steganography**

- Developed a Code for the data hiding, featuring the following functionalities:
  - i. Picture quality is not effected.
  - ii. Confidential Information can be hidden.
- Implemented this project using Changing the LSB of the pixel.

#### **Bluetooth controlled robotic vehicle**

- A robot is designed to follow a predetermined path which is complex, e.g. embedded lines, magnetic markers and laser guide marks using IR sensors and L293D motor driver code using arduino.

### EDUCATION

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**B. TECH Sharanbasva University, Kalburagi.**

Electronics and communication engineering

**8.5CGPA**

### SOFT SKILLS

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Persuasion, Positive Attitude, Conflict Resolution, Emotional Intelligence, Interpersonal communication  
Professional Networking, Tactfulness.

### DECLARATION

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I hereby declare and convey that all the above mentioned information is true and correct to the best of my knowledge