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Electronics and Telicommunication Engneering

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# Career Summary

I am a passionate Electronics and Telecommunication Engineering student with strong knowledge in circuit design, embedded systems, and communication technologies. Skilled in using tools like MATLAB, Multisim, and HFSS, I have hands-on experience through projects involving microcontrollers, IoT, and wireless communication. I am eager to apply my technical skills and innovative thinking to solve real-world problems in industries like telecommunications, embedded systems, and networking, while continuously learning and growing in my career.

# Education

Diploma in Electronics and Communication 2023

Vivekanand Polytechnic collage, Puttur

CGPA: 9.16

Electronic and Telecommunication Engineering 2026

MS Ramaiah Institute of Technology, Bangalore

CGPA:7.50

# Technical Skills

Programming Language: C, C++, PYTHON, Assembly language,PLC

Database: SQL

Front-end Technology: HTML, CSS, JavaScript

# INTERSHIP EXPERIENCE

Leak Test Pannel Using PLC Sep 2024-Oct 2024

Company name: Central Manufacturing Technology Institute, Bangalore

Description:

* This project involves designing and implementing a leak test panel using differential pressure measurement and Programmable Logic Controllers (PLCs).
* It will **test parts for leaks** by checking if air pressure drops inside a closed system.
* It will **automatically find out** if the part is **good** (no leak) or **bad** (leak).
* The entire leak testing cycle is automated for accuracy, speed, and reliability.

# PROJECTS

**5 in One Robot Car using Arduino UNO** March,2024

Description:

This project involves the development of a multifunctional robot car using the Arduino UNO. The car is equipped with several capabilities, including **line following**, **obstacle avoidance**, and **Bluetooth control**, making it a versatile platform for various robotics applications. It combines sensors and actuators to navigate autonomously, avoid obstacles in real-time, and can be controlled remotely via Bluetooth, offering a user-friendly interface for interaction.

**Hydroponics Project to Check pH and EC using Microcontroller 8051** March,2024

Description:

This project involves designing a system to **monitor and display pH** and **Electrical Conductivity (EC)** values of the hydroponic solution. The system uses **pH and EC sensors** to measure the water quality in real time, which is crucial for optimal plant growth. These sensors are interfaced with an **8051 microcontroller**, which processes the sensor data, converts it into readable values, and displays them on an LCD screen. This allows users to easily monitor and maintain the ideal nutrient levels in the hydroponic system for efficient plant cultivation.

# WorkShop and Cirtifications

**“Blood Donation Camp Volunteer – National Service Scheme”,**2024

**“Volunteer Experience – IEEE ComSoc Society (ELIpy)”,**2024

**“Participated in Antena Design Work shop held by IEEE RIT-B MTT-S and AP-S”,** June 2024