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**SURYAKANTH R**



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| **INTERNSHIPS** |  |  |
| 1. EV Hub | Electric Vehicle Servicing Intern | Oct’22 – Oct’22 |
| 2. New Qbitronics | Embedded System Intern | June’24 – June’24 |
| 3. MayraWeb | Wordpress Developer | Jul’24 – Nov’24 |
| 4. Naavigo | Software Development Intern | Nov’24 – April’25 |
| 5. Youth United Council of India | Campus Coordinator | Mar’24 – Present |
| 6. Bloom Agency | Software Engineer Developer | April’25 – July’25 |

**SKILLS**

* **Programming Languages:** C, Embedded C, Java
* **Embedded Systems:** RTOS, Microcontroller Programming, LoRa, Wi-Fi (ESP32), UART, PCB Design, Sensor Integration
* **Web Development:** WordPress, Shopify, HTML, CSS
* **Databases:** MongoDB, SQL
* **Tools & Software:** Multisim, MATLAB, VSCode, Git, GitHub, Xilinx, Vivado

# EDUCATION

# Sri Ramakrishna Polytechnic College

Diploma in *Electronics & Communication Engineering*. 94% 2020 – 2023

**Sri Krishna College of Engineering and Technology**

B.E., *Electronics & Communication Engineering* 7.37 CGPA 2023 – 2026

# PROJECTS

**Designed a Hand Glove that translates ASL into text  *C++ | Arduino IDE***

* A glove that translates American Sign Language into text and speech. Final Result accuracy was **96%**

**IoT-driven Smart Accident Detection at Zone Level  *Wi-Fi | LoRa | IoT | GPS | Web App***

* Built an IoT-based accident detection system using LoRa to send real-time alerts with GPS and personal data via a secure web application.

**MindMate – Empathetic AI Avatar System  *Transformers | Databricks | React.js| Machine Learning***

* Built a real-time AI avatar that detects user emotion and responds empathetically via LLaMA 2.

**Smart Waste Segregation and Recycling System  *CNN | AI/ML | React Native | IOT | MongoDB | React.js***

* Built an AI-powered smart bin that uses a CNN model to automatically segregate waste, syncing with a mobile app for user tracking and incentives.

# ACHIEVEMENTS

* Finalist in Ideathon Organized by Nehru institutions.
* Secured **3rd place** in Project Presentation Organized by Sri Krishna institutions.
* Achieved 1st Rank in Milestone 1 of the Tredence AI Infinity Hackathon.
* Shortlisted in the Final Round of an ISRO - Organized Hackathon.

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| **LANGUAGES KNOWN** | * English | * Tamil | * Hindi | * Kannada |