

# Rajath Krishna

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## EDUCATION

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### Gov. Polytechnic College

*Diploma in Electronics Engineering; GPA: 7.95/10.00*

Meenangadi, Kerala

*Jun 2020 – Mar 2023*

## SKILLS

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**Languages:** C/C++, C#, Java, Python, JavaScript, MATLAB

**Technologies:** Nmap, Metasploit, Burp Suite, Wireshark, Kali Linux, Nessus, CAD, SPICE, Altium Designer, OrCAD

**Methodologies:** RTOS, FPGA/ASIC, ADC/DAC, PTES, TCP/IP, VLANs, QoS, Metasploit

## EXPERIENCE

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### Railwire ICT

*Network Engineer*

wayanad, Kerala

*Sep 2023 – Present, Full-time*

- Responsible for network engineering activities as part of the Kerala Fiber Optic Network (KFON) project, a joint initiative involving Railwire ICT, BEL, and RailTel.
- Designing and optimizing internet connectivity solutions for government institutions and residential customers across Kerala.
- Implementing advanced network infrastructure and protocols to ensure reliable and high-speed internet services.

### Laxmiinfotek

*IoT based product development using embedded technology,*

Wayand, Kerala

*Jun 6 2022 – Jun 16 2022, Internship*

- Developed IoT-based products utilizing embedded systems technology, focusing on innovative solutions for real-world applications.
- Led the design and implementation of a line follower robot, integrating sensors and microcontrollers to navigate predefined paths autonomously.
- Acquired practical experience in sensor integration, microcontroller programming, and communication protocols such as MQTT and HTTP.

## CERTIFICATE

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**Certified Ethical Hacker (CEH) :** Cisco Networking Academy (Apr 2024)

**CISSP - Certified Information Systems Security Professional :** Udemy (Dec 2023)

**Cyber Security Cadet - Ethical Hacking: 2023 Latest Edition!:** Technovalley Software India Private Limited (Sep 2023)

## PROJECTS

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### Gesture Vocalizer | [GitHub](#)

- \* The Gesture Vocalizer integrates ESP32 with APR322A3 voice module and flex sensors, enabling vocal commands through hand gestures. It enhances accessibility with real-time gesture recognition for seamless interaction, showcasing embedded systems' inclusive technology potential.

### Line Follower With Ultrasonic Sensor | [GitHub](#)

- \* A Line Follower With Ultrasonic Sensor robot navigates along contrasting lines using ultrasonic sensors to detect obstacles and gaps, ensuring autonomous path following while avoiding collisions.

### Weather App | [GitHub](#)

- \* A simple and intuitive weather application that provides real-time weather information using JavaScript, HTML, and CSS. This app displays current weather conditions including temperature, humidity, wind speed, and other relevant details.