Rajath Krishna

+91 95440 04938 | rajathkrishna83@gmail.com | LinkedIn | GitHub | Portfolio | Wayanad,India

Education

Gov. Polytechnic College — Meenangadi, Kerala
Diploma in Electronics Engineering; ***GPA: 7.95/10.00*** — *Jun 2020 – Mar 2023*

Skills

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

Railwire ICT — wayanad, Kerala
Network Engineer — *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 — Wayand, Kerala
Iot based product development using embedded technology, — *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

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

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.

Neumorphism Effect Music App | *GitHub*

∗ The Neumorphism Effect Music App combines digital skeuomorphism with minimalism, offering a user-friendly interface featuring soft shadows and subtle highlights, enhancing the tactile and visually appealing experience of navigating music playlists, controls, and settings.