

**KV SAMPATH**  
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**Career Objective:**

With nearly 2 years of experience as a Networking Developer, I am proficient in C programming, L2/L3 protocols, and advanced debugging with GDB. I excel in analysing and resolving bugs to enhance wireless network performance and security. I have a proven ability to collaborate effectively in dynamic settings to deliver robust and scalable solutions.

**Experience Summary**

- Having around 2 years of experience in L2/L3 Protocol Development.
- Experience on OSPF, DHCP and have good knowledge on BGP.
- Worked on customer found defects and resolved the issues in local and target setups.
- Good Knowledge in IPC Mechanisms such as shared memory and Message Queues (Semaphores and Mutex).
- Expertise in C and Data Structures Programming.
- Strong problem solving & analytical skills with the flexibility to work cohesively as part of a multidisciplinary team, complementing the skills of others.

**Education:**

B. Tech (Civil), 2024 KSRM College of Engineering and Technology, Andhra Pradesh.

**Professional Experience:**

Working as Software engineer in Techmatricks solutions Pvt Ltd, Hyderabad

**Technical Skills:**

Programming Languages	:	C,C++
Operating Systems	:	Linux
Bug Tracking Tools	:	Bug Zilla
Tools	:	GDB, JIRA, Hg (Mercury), GCC, Wireshark

Protocols : WLAN Protocols, DHCP, OSPF, BGP

### **Project Details:**

#### **Project 1:**

Project : Thomson routers Maintenance  
Environment : C/C++ under Linux  
Role : Bug Fixing  
Tools : GDB, Wireshark, Iperf, Confd.

#### **Project Description:**

I have extensive experience with networking protocols, including L2/L3 protocols, and am proficient in Linux environments. My practical experience includes software development in C, working with data structures, and a solid grasp of operating system internals. I am skilled in analysing, debugging, and resolving issues reported by the QA team and addressing fleet-wide problems effectively.

#### **Roles/ Responsibilities:**

- Design and Development of Embedded Applications in C and Linux

Programming.

- Developed and maintained Wi-Fi security features using C.
- Conducted Bug Triage for WLAN, MESH and Client Steering issues, leading to effective identification and resolution of connectivity and performance problems.
- Involved in the Design document preparation.
- Configured Air Interfaces for Modem Cards.
- Debugged existing code and contributed to enhancements/bug fixes.

#### **Declaration:**

Hereby declare that the above-furnished information is true to the best of my knowledge and that I will be held responsible for any deviation from them at a later stage.