

## Eshwar Reddy Kilari

USA | kilarieshwar123@gmail.com | +1 (913) 408-8300

### Summary

Master's student in Cybersecurity with hands-on internship experience in supporting LAN/WAN/SD-WAN infrastructures, routing, switching, and traffic filtering. Skilled in IPv4/IPv6, routing protocols (BGP, OSPF), performance monitoring, managing VLANs, Meraki environments, firewall policy management, Infrastructure as Code (IaC) principles and using tools like Wireshark. CCNA certified, with strong foundational knowledge of TCP/IP, DNS, DHCP, and routing protocols. Seeking a challenging role as a network engineer to grow and contribute to the organizational success.

### Technical Skills

- **Programming Languages:** C, C++, Python, Java, SQL
- **Networking and communication :** Routing, switching, Subnetting, LAN, WAN, SD-WAN, DNS, DHCP, ACLs, VPN
- **Protocols and Tools:** OSPF, EIGRP, IS-IS, SNMP, BGP, Wireshark, Meraki Dashboard
- **Concepts:** OSI Model, SDN, Network Virtualization, Firewalls, Cloud Networking, Tunneling Protocols(MPLS, GRE, TLS)
- **Operating System :** Windows, Unix, Linux(Ubuntu, Kali), Cisco IOS
- **Network Automation:** Python, Bash, Ansible, Terraform, and SDA
- **Debugging & Security Tools:** Ping, Traceroute, Tcpdump, Netstat, Wireshark

### Education

#### Master of Science in Cybersecurity and Information Assurance

Jan 2024 – Present

University of Central Missouri, Lee Summit, Missouri

#### Guru Nanak Institute of Technology

Aug 2019 – Jun 2023

Bachelor's in Information Technology

### Work Experience

#### System Soft Technologies, Hyderabad

April 2023 – Jan 2024

Technical Support & Network Engineer Intern

- Delivered full-stack troubleshooting (network, hardware, software, electrical, Linux), resolving 50+ enterprise issues.
- Installed, configured, and optimized switches, firewalls, and wireless networks for enterprise deployments.
- Monitored and troubleshot DNS, DHCP, VPN, VLANs connectivity using Wireshark and Cisco tools.
- Collaborated with Engineering teams to test new features, identify bugs, and provide feedback for product improvement.
- Authored knowledge base articles and whitepapers, streamlining support workflows and improving customer self-service.
- Provided Tier 1–2 technical support for 300+ users, including account management, OS installation, and endpoint configuration.

#### EISystems, IIT Varanasi

July 2023 – Sep 2023

Data Analytics & Machine Learning Intern

- Utilized Python scripting to automate workflows, building a foundation in network automation and configuration management..
- Developed a real-time detection system, demonstrating skills in monitoring live systems and ensuring uptime similar to network traffic analysis.
- Debugged and optimized performance issues, aligning with network troubleshooting and reliability improvement tasks
- Applied pattern recognition and data analysis, relevant to network performance monitoring and anomaly detection.

### Academic Project

#### Linux Systems Administration & Automation Toolkit

- Built and managed a Linux-based lab with multiple servers/clients, implementing system administration, networking configurations, and IT support workflows.
- Automated monitoring, diagnostics, and troubleshooting with Python/Bash scripts (ping sweeps, port scans, log analysis) to improve efficiency and reliability.

#### Infrastructure as Code (IaC) with Cloud Networking

- Designed and automated AWS VPC, subnets, and routing tables using Terraform and YAML/JSON templates for reproducible deployments.
- Implemented version-controlled infrastructure via Git to ensure seamless change management and rollback capabilities.
- Integrated automated scripts for provisioning security groups, NAT gateways, and VPN configurations, reducing manual errors by 40%.

#### IP Address Tracking & Cybercriminal Identification

- Investigated suspicious IP addresses using tools like VirusTotal, AbuseIPDB, and Shodan.
- Conducted log analysis and threat correlation with open-source threat intelligence tools to trace malicious traffic sources.

### Certification

- CCNA(Certified network associate)
- Cisco Networking Academy: Networking Basics.