

Sreshta Reddy

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PROFESSIONAL SUMMARY

CCNA Certified Network Engineer with 4+ years of experience in network operations, enterprise networking, and large-scale network environments. Skilled in TCP/IP, BGP, OSPF, routing & switching, network troubleshooting, incident/problem/change management, and business-critical outage resolution. Hands-on experience with Cisco networking, SD-WAN, VPN, MPLS, and network automation using Python and Ansible. Experienced in 24x7 operational support, escalation handling, RCA, network upgrades, and cross-functional collaboration, with a strong focus on network reliability, operational excellence, and customer service.

EDUCATION

University of North Texas

Master of Science, *Computer Science*

May 2025

vignan institute of technology and science

Bachelor of Technology, *Computer Science*

Jul 2022

SKILLS

Cloud & Azure Networking: Azure Virtual Network (VNet), ExpressRoute, VPN Gateway, NSG, Azure Firewall, Load Balancer, Traffic Manager, Virtual WAN, Hub-Spoke Topology, VNet Peering, Hybrid Cloud Connectivity, Azure Routing & High Availability, Cloud Server Environments

Networking & Protocols: TCP/IP, IPv4/IPv6, BGP, OSPF, EIGRP, VLANs, STP, HSRP, DHCP, DNS, MPLS, DMVPN, GRE, IPsec VPN, Multicast (PIM/IGMP), Network Segmentation

WAN & SD-WAN: Cisco Viptela SD-WAN, Cisco Meraki, Cisco IOS/NX-OS, Juniper SRX, Fortinet FortiOS, SD-Access, LAN/WAN Networks

Network Security: Palo Alto Firewall (Panorama), Cisco ASA/Firepower, Fortinet Firewalls, ACLs, IDS/IPS, Zero Trust Network Access (ZTNA), SASE, Cisco ISE, 802.1X Authentication

Automation & Scripting: Python, Ansible, REST APIs, Netmiko, Bash, Infrastructure as Code (IaC)

Monitoring & Tools: Python, Ansible, REST APIs, Netmiko, Bash, PowerShell Scripting, Infrastructure as Code (IaC)

Load Balancing: F5 BIG-IP (LTM), NGINX

Systems & Platforms: Cisco IOS/NX-OS, PAN-OS, FortiOS, Juniper SRX, VMware

Processes: ITIL, Incident Management, Change Management, Root Cause Analysis (RCA), SLA Management, IT Support, Infrastructure Management, Server Patch Management

WORK EXPERIENCE

AT&T, USA | Network Engineer

Jan 2025 - Present

- Provided Level 1/2 support for enterprise desktops, laptops, and endpoints across 200+ sites, resolving workstation and software issues including installation, upgrade, and maintenance of systems.
- Supported enterprise Cisco Viptela SD-WAN and WAN networks across 200+ sites, performing edge onboarding, tunnel bring-up, routing validation, policy checks, and production troubleshooting to maintain reliable connectivity.
- Diagnosed complex BGP and WAN connectivity incidents across 200+ sites, including route redistribution and reachability issues, using routing tables, traceroute, device logs, and packet analysis; routing corrections helped reduce recurring WAN incidents by ~30%.
- Resolved critical network and VoIP incidents by analyzing traffic flows and tuning QoS and routing policies, helping maintain 99.9%+ service availability across business-critical network services.
- Administered Palo Alto firewall configurations supporting 200+ site connectivity, implementing security-policy, NAT, VPN, and connectivity changes while troubleshooting traffic through firewall logs and network diagnostics.
- Developed Python/Netmiko automation for configuration audits and device validation across 100+ network devices, reducing repetitive manual checks by ~30% and improving configuration consistency.
- Supported Cisco ISE 802.1X and RADIUS-based network access control across enterprise sites, troubleshooting authentication, endpoint connectivity, and policy-related access issues while supporting secure network access.

Wipro, India | Network Engineer

Aug 2020 - Jul 2023

- Managed daily operations across 150+ network devices, monitoring availability, routing, interface health, and connectivity while resolving production incidents and maintaining reliable enterprise services.
- Delivered network deployments across 15+ sites, configuring Cisco switches, Fortinet firewalls, VLANs, LAN and WAN networks, and routing, with pre/post-change validation for successful cutovers.
- Implemented SD-WAN rollouts through device configuration validation, site onboarding, connectivity testing, and post-deployment troubleshooting across enterprise environments.
- Resolved IPsec and GRE VPN failures by validating tunnel parameters, routing, firewall policies, and reachability, reducing recurring VPN-related incidents by 35%.
- Automated configuration backups and device-health checks using Python and Bash, reducing repetitive operational work by 30% and improving maintenance consistency.
- Investigated network outages using Wireshark packet captures, device logs, and diagnostic tools to isolate root causes, accelerate incident resolution, and minimize downtime.
- Configured PIM/IGMP multicast routing and optimized QoS policies to improve traffic handling, VoIP performance, and delivery of business-critical applications.
- Administered TACACS+ and RADIUS for secure infrastructure access and performed firmware upgrades and patch management across 100+ devices, achieving zero rollback failures during planned maintenance.

CERTIFICATIONS & ACHIEVEMENTS

- Microsoft Certified: Azure Network Engineer Associate (AZ-700) - Microsoft
- Cisco Certified Network Associate (CCNA) - Cisco