



SAIKIRAN

Network Engineer | Dallas, TX

ABOUT ME

WHO AM I?

Hi I'm Saikiran Welcome to my portfolio! I am a Network Engineer, I bring a wealth of experience and expertise in the field of networking. With a comprehensive understanding of network architecture, protocols, and security measures, I am dedicated to optimizing network performance, reliability, and scalability.

My proficiency extends to configuring and troubleshooting a diverse array of networking equipment, including routers, switches, firewalls, and wireless access points. I am adept at conducting thorough network assessments, identifying vulnerabilities, and implementing robust solutions to ensure data integrity and confidentiality.

Committed to continuous learning, I stay abreast of emerging technologies and industry best practices, enabling me to deliver cutting-edge network solutions that align with organizational objectives and drive success.

Summary

S U M M A R Y

- ★ Network Engineer with 4+ years of expertise in designing, implementing, and maintaining robust network infrastructures.
- ★ Resourceful Cisco - certified Network Engineer committed to performing assigned tasks while working in a fast-paced environment. Adept at identifying system performance and operational issues. Specialize in designing, implementing and maintaining networking infrastructures.
- ★ Proficient in fundamental networking concepts including TCP/IP, Subnetting, VLANs, and OSI Models, ensuring robust network architecture and functionality.
- ★ Strong background of Hardware and Software Design, Configuration, Maintenance and Troubleshooting
- ★ Skilled in configuring and managing dynamic routing protocols such as OSPF, BGP, EIGRP, RIP, and coupled with adeptness in Switching protocols including VLANs, STP, VTP, and Ether Channel for seamless data transmission.
- ★ Experienced in implementing network security measures utilizing Cisco ASA, Palo Alto Firewalls, VPN technologies, and ACLs, ensuring data confidentiality and integrity.
- ★ Proficient in network monitoring tools like SNMP, Wireshark, and Syslog, ensuring network performance optimization and quick issue resolution.
- ★ Strong analytical skills, problem solving, organizational skills, written and verbal communication skills.
- ★ Good knowledge of using Microsoft VISIO/Office as technical documentation and presentation tools.
- ★ Involved in troubleshooting of DNS, DHCP and TFTP other IP conflict problems.
- ★ Worked closely on maintaining, configuring and troubleshooting the issues on CISCO network equipment.
- ★ Extensive knowledge of routers (Cisco, Juniper), switches, load balancers, and cloud networking concepts across AWS, Azure, and GCP, ensuring efficient and scalable network infrastructure.

Experience

WORK EXPERIENCE

➤HCA HEALTHCARE, USA

Network Engineer May 2022 – Current

- ★ Configured and maintained TCP/IP networks, ensuring seamless data transmission and network reliability.
- ★ Responsible for enabling BGP peering relationships and debugging BGP routing problems.
- ★ In depth knowledge and experience working with other protocols like TCP/IP, OSI model, DHCP, DNS.
- ★ Managed and optimized OSPF and BGP routing protocols, enhancing network scalability and fault tolerance.
- ★ Worked extensively with multiple wireless hardware vendors including Cisco, Cisco Meraki
- ★ Deployed VLANs and administered STP to eliminate network loops and ensure redundancy in a switched network.
- ★ Implemented and managed Cisco ASA and Palo Alto firewalls, ensuring robust network security and access control.
- ★ Conducted packet analysis using Wireshark for troubleshooting and diagnosing network issues.
- ★ Experience with NetApp storage solutions, including configuration, management, and optimization.
- ★ Configuration and management of Cisco UCS for efficient data center operations.
- ★ Implemented WPA/WPA2 security standards to safeguard wireless networks against unauthorized access.
- ★ Developed and implemented Python, Bash, and Perl scripts for automating network configuration and management tasks.
- ★ Created comprehensive network diagrams using Visio for clear visualization of network topologies and configurations.
- ★ Extensive knowledge in configuring and deploying Next Generation Firewalls including Palo Alto, Cisco ASA and Checkpoint Firewalls
- ★ Profound working knowledge of administration and management of Palo Alto firewalls using centralized Panorama M-100 and M-500 devices

➤HEXAWARE TECHNOLOGIES, INDIA

Network Engineer Aug 2018 – Dec 2020

- ★ Implemented VLANs to segment network traffic, enhancing security and optimizing network performance.
- ★ Configured EIGRP and RIP for efficient internal routing, ensuring optimal traffic flow and network stability.
- ★ Utilized SNMP and NetFlow for proactive network monitoring and performance analysis, ensuring optimal network health.
- ★ Implemented MPLS and SD-WAN technologies to optimize WAN connectivity and improve network performance.
- ★ Administered DHCP and DNS services for automatic IP address assignment and domain name resolution.
- ★ In-depth knowledge of IPv6, including successful integration within the network infrastructure.
- ★ Monitored data center devices in local & remote sites.
- ★ Used Network analysis tools like Packet Sniffer and Wireshark for troubleshooting the network.
- ★ Involved in Data Center migrations and handled proper management, maintenance, configuration, and altered management of firewall structure.
- ★ Configured and upgraded networking devices including Cisco switches and routers using command line interface.
- ★ Experience with FTP, TFTP, DHCP configuration and its setup.
- ★ Experience in Designing and assisting in deploying Cisco ASA firewall-based devices, configuring VPNs, IPS and IPsec
- ★ Configured Checkpoint and Cisco ASA firewalls to secure the infrastructure for the Data Center
- ★ Documented the network designs and data flow representations using tool Microsoft Visio.
- ★ Applied networking concepts within AWS, Azure, and GCP environments, ensuring seamless connectivity and security.
- ★ Managed and maintained Cisco and Juniper routers and switches, ensuring network connectivity and reliability.
- ★ Installing operating systems, software and hardware on computers
- ★ Implemented VMware NSX and Hyper-V for network virtualization, enhancing network flexibility and scalability.
- ★ Configured and installed new IP addresses for new users by using IP Addressing and Sub netting Scheme.

Education

EDUCATION

EDUCATION

➤ **TEXAS A&M UNIVERSITY-CORPUS CHRISTI**

01/2021 – 12/2022

★ Master's in computer science

➤ **INSTITUTE OF AERONAUTICAL ENGINEERING, HYDERABAD, INDIA**

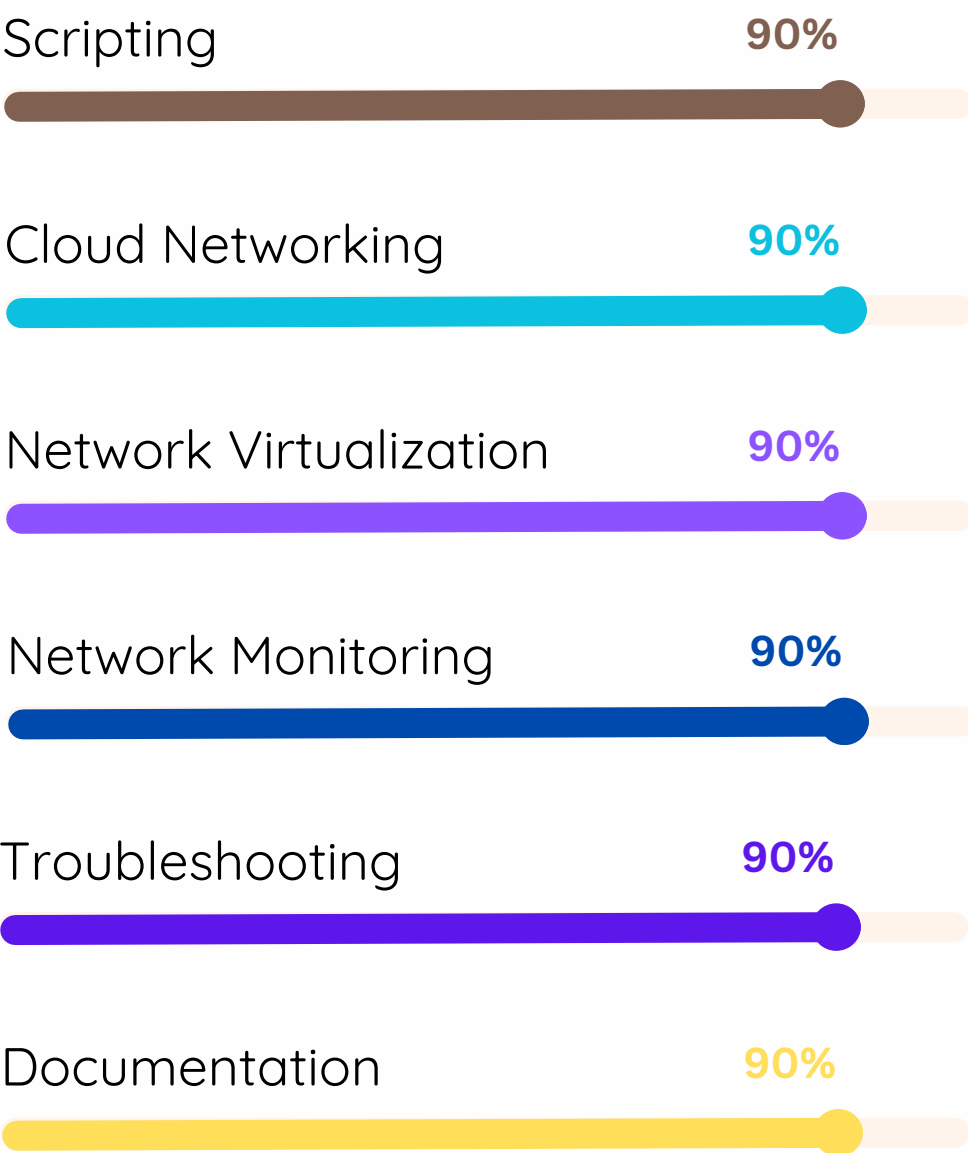
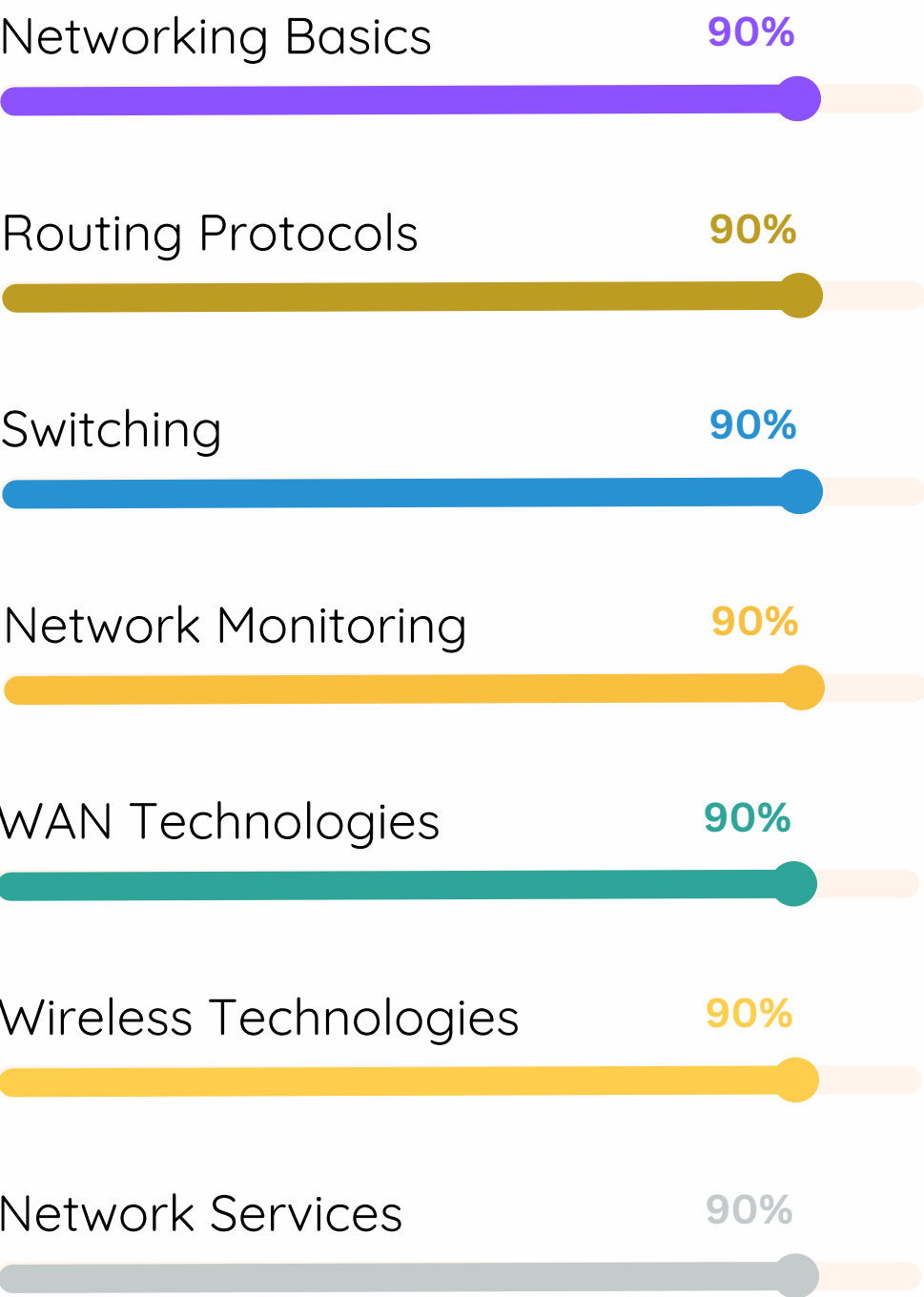
01/2016 – 09/2020

★ Bachelor's in information technology

Skills

SKILLS

- ★ **Networking Basics:** TCP/IP, Subnetting, VLANs, OSI Model
- ★ **Routing Protocols:** OSPF, BGP, EIGRP, RIP, IS-IS
- ★ **Switching:** VLANs, STP, VTP, EtherChannel, VLAN Trunking
- ★ **Network Monitoring:** SNMP, NetFlow, Wireshark, Syslog
- ★ **WAN Technologies:** MPLS, SD-WAN, VPN, DWDM, Leased Lines
- ★ **Wireless Technologies:** WLAN, WPA/WPA2, Wireless Site Surveys
- ★ **Network Services:** DHCP, DNS, FTP, HTTP/HTTPS, NAT, NTP, SMTP
- ★ **Network Hardware:** Routers (Cisco, Juniper), Switches, Load Balancers
- ★ **Cloud Networking:** AWS, Azure, GCP Networking Concepts
- ★ **Network Virtualization:** VMware NSX, Hyper-V, SDN
- ★ **Troubleshooting:** Network Diagnostics, Root Cause Analysis
- ★ **Scripting:** Python, Bash, Perl scripting for automation.
- ★ **Documentation:** Network Diagramming (Visio), Configuration Documentation



Projects



309

CUPS OF
COFFEE

57

PROJECTS

1800

NETWORK
DEVICES

6

LOCATIONS

Courses & Certificates

Courses & Certificates

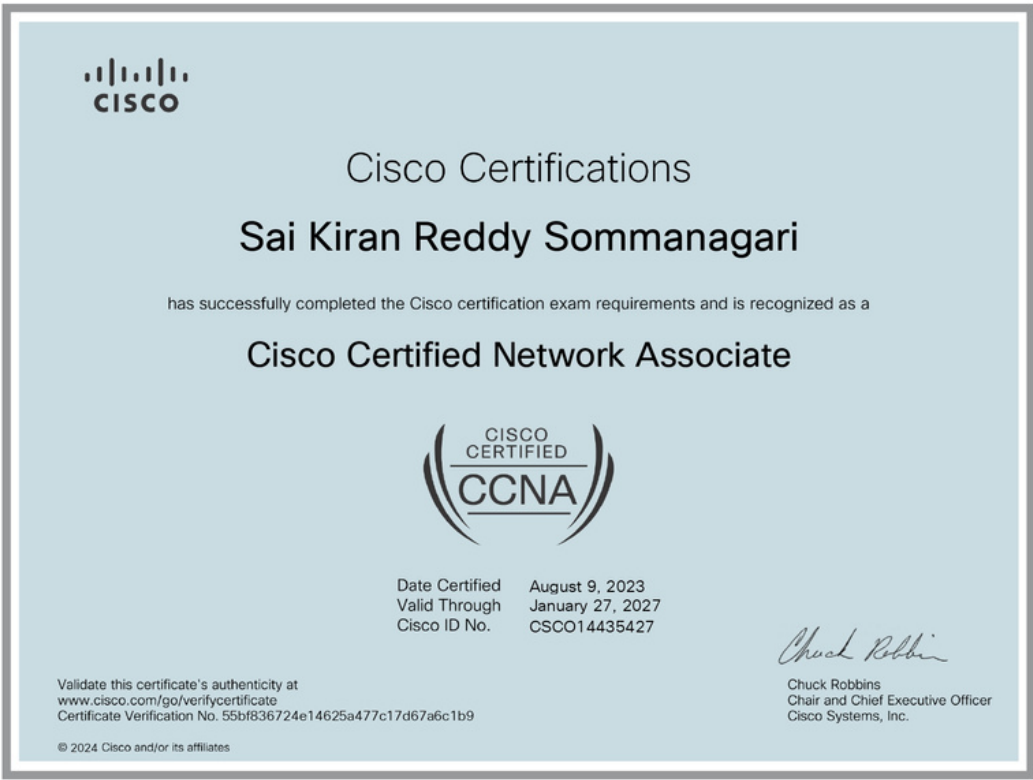
Certificate



**CERTIFIED NETWORK PROFESSIONAL
(CCNP) COMPTIA NETWORK+
CERTIFICATION**

Certificate

**CISCO CERTIFIED NETWORK ASSOCIATE
(CCNA). CISCO**



Contact

GET IN TOUCH

CONTACT



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Dallas, TX

SAIKIRAN – Network Engineer