
Summary

A young passionate professional with experience in Data Center operations at Amazon Web Services and technical support capable of troubleshooting complex networks.

Certifications:

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| <ul style="list-style-type: none">• Cisco Certified Network Associate (CCNA – Routing and Switching)
Cisco ID: CSC013303618 | April 2018 – April 2021 |
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Education:

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| University of Pittsburgh, Pittsburgh, USA.
Master of Science in Telecommunication, Specialization- Computer Networks | August 2017 - April 2019
Graduated - CGPA: 3.7/4 |
| University of Mumbai, Mumbai, India.
Bachelor of Engineering in Electronics Engineering. | July 2013- May 2017 |

Technical Skills:

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- **Networking Skills:** TCP/IP, UDP, DNS, ARP, FTP, STP, DHCP, NAT, MST, RSTP, VRRP, HSRP, VLAN, SNMP, Telnet, SSL, SSH, RIP, OSPF, BGP, Ethernet, LACP, Load Balancer
 - **Network Devices:** Cisco Router, Cisco Switches, Juniper switches (QFX 5100, QFX 3500)
 - **Tools:** Cisco Packet Tracer, Wireshark, traceroute, lperf, dig, netstat.
 - **Programming Languages:** Python.
 - **Linux Skills:** File Directory Structure, File Navigation, Permissions.

WORK EXPERIENCE

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| Network Engineer: Amazon Web Services (Contract) | August 2019 – July 2020 |
| <ul style="list-style-type: none">• Primary duties include ensuring high network availability, carrying out planned maintenance for network devices and troubleshooting network issues while focusing on operational excellence, constructively identifying problems and proposing solutions.• Worked on capacity restoration which included bringing about 1000 devices back into service and working on non-redundant layers which improved the efficiency of the network.• Worked as a point of contact (on-call service) and interacting with field engineers to troubleshooting networking, routing and interconnectivity problems with procedures on the severity of the issue.• Collaboration with internal teams to diagnose problems and return devices to a healthy state.• Made changes in OSPF and BGP configurations as per the traffic requirements by analyzing the packet drop and error rate, change in MTU for interfaces where automation was not possible.• Updating the OS of the devices being replaced, troubleshooting problems related to eth0 port to get IP address from the DHCP server after updating the IP-helper addresses. | |

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| Technical Support: University of Pittsburgh | April 2018- April 2019 |
| <ul style="list-style-type: none">• Worked on the configuration of routers and switches.• Effectively troubleshoot issues such as slow network, inter-vlan issues and DHCP issues.• Executed an access control list to implement a firewall for packet filtering that restricts or permits resource access to foreign hosts.• BGP based policy routing based on path attributes like weight, local preference, AS path. | |

ACADEMIC PROJECTS

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| Computer Networking Laboratory | SPRING 2018 |
| <ul style="list-style-type: none">• Created a small topology to implement the knowledge of routing protocols and worked on different troubleshooting scenarios.• Worked on switching related tasks implementing VLAN and 802.1q trunk and ether channel.• Traffic monitoring passing over network, including IP, TCP, UDP and ICMP packets using Wireshark | |
| Match, mark and prioritize traffic using QoS Policies | SPRING 2017 |
| <ul style="list-style-type: none">• Used QoS policies to match http and icmp traffic, marked it and prioritized the traffic. | |
| Built an interactive dictionary application using Python | SPRING 2019 |
| <ul style="list-style-type: none">• Built up a script that interfaces with the user for information and gives the English significance of the word and recommend corrections if the user input is incorrect. | |