NIKHIL GADRE

Boulder, USA

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EDUCATION

University of Colorado Boulder — Boulder, CO, USA
Master of Science in Telecommunications (ITP); GPA: 3.871 — *Aug 2019 - May 2021 (Expected)*
Course Work: Network Management and Automation, Introduction to Enterprise Networks

Savitribai Phule Pune University (SPPU) — Pune, MH, India
Bachelor of Engineering in Electronics & Telecommunication — *Aug 2012 - May 2016*

CERTIFICATIONS

Cisco Certified Network Associate in Routing & Switching (CCNA R&S) (Cisco Systems)
AWS Certified Cloud Practitioner (Amazon Web Services)
Juniper Networks Certified Associate – Cloud (Juniper Networks)
IPv6 Silver Certified Network Engineer (IPv6 Forum)
Palo Alto Networks Certified Cybersecurity Associate (Palo Alto Networks)
EETP BSNL Silver, Gold and Platinum Certified Engineer (BSNL, India)

TECHNICAL SKILLS

Platforms:	Linux, Windows, macOS, GNS3, Wireshark, AWS
Automation Tools:	Netmiko, Boto3, Scapy, NETCONF, YANG, Ansible, Jinja2
Languages:	Python
Networking Technologies:	IPv4, IPv6, DHCP, DNS, STP, VTP, TCP, UDP, SNMP, RIP, OSPF, EIGRP, BGP, HSRP, PBR, MPLS, IPSec, IPv6 Tunneling

WORK EXPERIENCE

Aarna Networks — San Jose, CA, USA
Software Developer Intern — *June 2020 – Present*
- Testing the functionality of ONAP components according to the existing documentation
- Making corrections to existing documentation or create new content to address the gaps in the existing documentation

CenturyLink — Broomfield, CO, USA
Intern Network Engineer - I — *Summer 2020 (Cancelled)*
- Offer accepted in January 2020, offer rescinded due to COVID-19 in May 2020

ACADEMIC PROJECTS

University of Colorado Boulder, Boulder, CO, USA

- **Network Management and Automation**
  - Used Flask for back-end and used Netmiko to simultaneous login to devices and deploy the configurations concurrently
  - Automated creation of AWS EC2 instances, managed and monitored AWS resources using Cloudwatch and Boto3
  - Used Ansible for configuration management on devices, generated configuration files using Jinja2 templates
  - Used SNMPv2 and SNMPv3 to gather operational statistics and monitor the network
- **Enterprise Networks**
  - Configured Telnet, SSH, Vlans, Trunking, Port Security, STP, Portfast, Etherchannel on Switches
  - Configured RIP, OSPF, DHCP, NAT, PAT, HSRP, IPSec, DMVPN, IPv6 Tunnels on Routers
- **Socket Programming**
  - Created a Distributed File System Using Python
  - Created a Web Proxy Server Using Python

POSITIONS OF RESPONSIBILITY

Campus Lead (Class of 2019), Embassy of India Student Hub, USA