SNEHA IRUKUVAJJULA

Network Engineer

(984)330-1537 | snehairukuvajjula@gmail.com | isneha.net | Boulder, CO

EDUCATION

Master of Science in Network Engineering
University of Colorado, Boulder, CO | Expected May 2025

Bachelor of Computer Applications
Symbiosis International University, Pune, India | May 2019
GPA: 7.86/10.00

SKILLS

Networking Technologies: ARP, STP, TCP/IP, Switching, BGP, OSPF, wireless networking, network authentication, DHCP
Linux Technologies: Bash, Debian, Redhat, DHCP, DNS, Ansible, git
Programming: Python

PROJECTS

- **Linkedin job search bot** to streamline job search using Python
- **Network Port Scanner** using Python
- **Automated end-to-end network topology** using GNS3, Jenkins, Ansible, Jinja2 templates, Prometheus & Grafana
- **Designed** a multi-threaded **personal website** (*isneha.net*) using a local reverse proxy. Leveraged Nginx, Flask, Gunicorn, Jinja2 and AWS

AWARDS

Esther Sparn Fellowship, University of Colorado, Boulder | Nov 2023
Awarded fellowship for exceptional work in the Network Engineering program

SUMMARY

Network Engineer with **4 years of work experience** in System Administration and Network Engineering. Skilled in **network operations**, with a reputation for **leadership** and a proactive approach to **troubleshooting** complex issues. Passionate about optimizing network performance through network automation.

EXPERIENCE

Netflix Inc.
Network Architect Intern | Los Gatos, CA | June 2024 - August 2024

- Actively developed and executed test plans that exercise existing and proposed network solutions for Netflix's network infrastructure

D.E. Shaw & Co
Network Engineer | Hyderabad, India | December 2022 - May 2023

- Led **Tier 3 Network operations**, including critical issue resolution, root cause analysis, incident management, and network infrastructure redesign for improved reliability and performance
- Engineered the **redesign** of **wireless network infrastructure** for Arcesium's India office, commissioned Catalyst switches, access points, and wireless controllers in an HA setup, resulting in **0% dead spots** and a **~60% increase** in Wi-Fi **bandwidth**, boosting employee productivity

Site Reliability Engineer | Hyderabad, India | December 2021 - December 2022

- Oversaw **Tier 2 Network** operations, managing **100% network** and **50% of Linux escalations** from the Network Operation Center and Helpdesk teams
- Upgraded **28 wireless controllers** and **32 Cisco WAN routers** across all D.E. Shaw offices without disrupting regular business operations enhancing network reliability
- **Mentored 3 System Administrators**, developing subject matter experts in networking

System Administrator | Hyderabad, India | July 2019 - December 2021

- Managed **Tier 0 & 1 Helpdesk operations** and **subject matter expertise** in Networking
- **Productionized a Python code** that reports and audits all accounts in Active Directory for inconsistencies in various data sources to enhance security