

Dushyant Kinha

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SUMMARY

A Network Operations Engineer with 4+ years of experience in network automation and troubleshooting. Proven track record of improving process efficiency by 37% and automating network outage processes using Python. Committed to optimizing workflows and creating secure, efficient and resilient networks.

WORK EXPERIENCE

D. E. Shaw India Pvt. Ltd. (wholly owned subsidiary of the D. E. Shaw group)

Telangana, India

Network Operations Center (NOC) Engineer (Contractor)

06/2021 – 06/2025

- Real-time Network Management Automation
 - Automated network outage processes using Python to retrieve real-time BGP status, network logs, and circuit details, and generating outage service requests—improving efficiency and reducing manual tracking by 37%.
- Annual Network Device Upgrades – 2021-24
 - Upgraded Cisco devices (ISR4431/K9, C1111-8PLTEEA, WS-C2960+48TC-S, C9200L-48T-4G) to enhance the security posture and address emerging threats.
- Dual Uplink Connectivity for Terminal Servers
 - Implemented back-up up-link connectivity for terminal servers, addressing redundancy and improving network reliability through cross-team collaboration.
- Disaster Recovery Drill – 2021, 2023
 - Automated network link checks for DR drills using Bash scripting and created detailed cross-team documentation, ensuring seamless application failover and fallback.
- Operational Tasks
 - Delivered reliable L0/L1 Networking, Linux, and Unified Communications operations, recognized for strong troubleshooting skills and for improving knowledge resources in collaboration with SMEs.
 - Reduced onboarding time by 30% by creating streamlined processes and training 9 new hires through hands-on sessions.

ACADEMIC PROJECTS

2025

- Network Engineering
 - Implemented ARP, STP, Inter-VLAN, Static/Dynamic Routing, Layer 2 Switching, and IP Addressing, with Wireshark-based traffic capture and analysis across ICMP, HTTP, DHCP, TCP, DNS
- Linux System Administration
 - Implemented user/group management, Apache web server, and PAM access management with Bash and Ansible across Linux & FreeBSD systems.
- Network Programming
 - Implemented web-scrapers & monitoring bots (requests/BeautifulSoup), scheduled logging (Loguru), alerting (Twilio), and data visualization with Matplotlib, Pandas, and Plotly.

EDUCATION

Professional Master's in Network Engineering, University of Colorado Boulder

2025 – 2027

Major: Network Engineering

Relevant Coursework: Linux System Administration, Data Communication, Network Programming

Bachelor of Technology, Amity University (Noida, India)

2017 – 2021

Major: Computer Science and Engineering, CGPA: 7.28/10

Relevant Coursework: Advanced Computer Networks, Cyber Security, Project Management, Operating Systems

TECHNICAL SKILLS: Network Automation & Troubleshooting, Python, ARP, STP, OSPF, TCP/IP, DHCP, DNS

SOFT SKILLS: Change Management, Coaching & Mentorship, Cross-Team Collaboration

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

- **Career Holistic Advancement Mentorship Program (CHAMP) 2024:** Participated in the program with a focus on the CCNA syllabus as a mentee of a senior manager in the Network Reliability Engineering team.
- **Hackathon 2022:** Developed a Python app in collaboration to streamline internal cab rides using QR codes.