MANOJ KUMAR

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NETWORK ENGINEER

SUMMARY

Aspiring Network Engineer with hands-on experience in configuring, automating, and securing enterprise networks. Skilled in L2/L3 device configuration, Server, virtualization, traffic analysis, and using tools such as Packet Tracer, GNS3, and PNET Lab for full-scale network modeling on on-prem servers.

EXPERIENCES

Student Intern

iQube - Innovation Center   May 2024 - Present, Coimbatore

- Deployed a multi-vendor virtual lab using PNET Lab on Lenovo X3550 for OSPF/BGP practice.
- Automated VM provisioning using Ansible, reducing manual setup time and tested by practising docker, apache2, httpd.
- Configured VLAN and DHCP on a FortiGate L3 switch, checking network segmentation.
- Captured and analyzed traffic between Cisco SG300 and FortiGate using sFlow.
- Managed Cisco SG300 switches and delivered Wi-Fi networks for campus events.
- Managed NAS from stage to production by delivering effective services along with security.
- Conducted workshops for juniors on networking configurations and troubleshooting.

Student Intern

Ré - Centre for Exploratory Research   July 2023 - April 2024, Coimbatore

- Configured and deployed a private blockchain network using PoW and PoS consensus mechanisms.
- Coordinated logistics for Yugam 2024 paper presentation with 70+ participants

PROJECTS

Cryptocurrency Transaction Analysis Tool

- Built a script to extract leaked wallet addresses using OSINT techniques across social and dark web platforms.
- Guided team members to achieve the SIH internal hackathon objective.

Keycloak OAuth with portcat

- Built a Web UI tool for port scanning with Nmap integration.
- Implemented RBAC and authentication using Keycloak realms

NAS for KCT

- Configured Synology NAS DSM 7.2 (180TB) with permissions, quotas, and team folders.
- Implemented Synology Drive for secure collaboration and versioning.

EDUCATIONS

Bachelor of Electronics and Communication Engineering

Kumaraguru College of Technology | Batch 2026 | CGPA: 8.5

ACHIEVEMENTS

- Secured 7th place in the Territorial Army CTF Hackathon (Top 15 in India).
- Won 1st place in blogging competition at KCT.
- Achieved 3rd place in Switch and Win competition by Pynet (OSPF troubleshooting + real-time Q&A)

CERTIFICATIONS

- JNCIA-Junos (Juniper)
- Palo Alto Network Security Basics
- Certified Network Security Practitioner – SecOps
- Enterprise Networking, Security & Automation – Cisco NetAcad
- Switching, Routing & Wireless Essentials – Cisco NetAcad
- DevNet Associate – Cisco NetAcad
- ITN – Cisco NetAcad

TECHNICAL SKILLS

- **Networking**: VLAN, OSPF, BGP, Switching, Routing, DHCP, NAT
- **Automation**: Ansible, Bash, PowerShell
- **Tools**: Packet Tracer, GNS3, PNET Lab, AWS
- **Platforms**: Linux, Docker
- **Other**: sFlow Traffic Analysis, Keycloak, Hyperledger (basic)

SOFT SKILLS

- Communication
- Problem Solving