

MANOJ KUMAR

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NETWORK ENGINEER SUMMARY

Dedicated Network Engineer with hands-on experience in designing, configuring, and maintaining networks. Skilled in troubleshooting complex network issues, implementing security measures and optimizing performance. Proficient in configuring network devices and utilizing simulation and emulation tools like Packet tracer,gns-3,pnet lab for network modeling and testing.

EXPERIENCE

Junior Network engineer (L2)

May 2024 - Present,Coimbatore

iQube - Innovation Center

- Created a separate network in fortigate layer-3 switch and just normal things like vlan and dhcp server.
- Deployed my virtual lab pnet on my lenovo-X3550 server and hosted it on cloudflared tunneling and getting those all vendor images using ishare2 and learned OSPF,BGP and switching.
- Captured and analyzed the traffic between the layer2 cisco sg-300 and layer3 fortigate switch using sflow in Gui.
- Managing cisco sg-300 layer2 switch and provided networks via Access Point in my forum and few events which we conducted in my college.
- Led master workshop for 1st and 2nd year members, focusing on networking fundamentals and practical demonstrations of network configurations and troubleshooting ways.

July 2023 - April 2024,Coimbatore

Student Intern

Ré - Centre for Exploratory Research

- Configured and deployed a private blockchain network utilizing consensus mechanisms like Proof of Work (PoW) and Proof of Stake (PoS), integrating platforms like Ethereum and Hyperledger, in collaboration with a 6-member.
- Spearheaded the logistics and coordination of a paper presentation at Yugam 2024, attracting over 70+ participants to one of South India's largest Techno-Cultural event.

PROJECTS

Secure Media Server Environment for iQube

Implemented a local media server to support seamless media streaming like a netflix and some networking rules that must route through containers and port number's and ufw configurations on my proxmox server.

Cryptocurrency Transaction Analysis Tool

led a 6-member team to build a tool for tracing cryptocurrency transactions, integrating web scraping APIs using Python to identify end receivers.

Access Point Watchdog for my Forum

Created a telegram bot that automates my AP request to handle and send to my telegram chat to monitor when my condition met's and hosted my automation script on my local server.

EDUCATION

Bachelor of Electronics and Communication Engineering

Minor in Electronics and Communication

Kumaraguru college of Technology, Batch-2026, Coimbatore.

SGPA-8.2

ACHIEVEMENTS

- Secured 7th place in the Territorial Army CTF Hackathon, ranking among the top 15 individual category in India, held in Delhi.
- Achieved 1st winner in the blog bytes event in my college conducted by KSI.

CERTIFICATIONS

Language

SKILLS

Introduction to Cybersecurity

Cisco • 2024

Bash

Powershell

Technical Skills

- Packet Tracer,Pnet labs,gns-3
- Routing Protocols
- Ansible
- Juniper (v-labs)
- Linux
- Docker
- VLAN

Soft Skills:

- Effective Communication
- Leadership
- Problem Solving

Networking Basics

Cisco • 2024

Certified Network Security Practitioner

SecOps • 2024

Network Devices and Initial Configuration

Cisco • 2023

JUNOS ASSOCIATE

Juniper • 2024