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

Student Intern   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.

Student Intern   July 2023 - April 2024,Coimbatore

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 Aproxmox 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.
· Secured first place for outstanding content creation in a blogging competition conducted by the Kumaraguru college of Technology (KSI)
· Multiple competitive rounds including OSPF troubleshooting and real-time answering sessions by securing the 3rd position in switch and win by pynet platform

CERTIFICATIONS

- JNCIA-Junos Network Associate by Juniper
- Certified Network Security Practioner by SecOps
- Enterprise networking, security and automations by CISCO netacad
- Switching, Routing and Wireless essentials by CISCO netacad
- DevNet Associate by CISCO netacad
- ITN by CISCO netacad

TECHNICAL SKILLS

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

SOF SKILLS

- Effective Communication
- Leadership
- Problem Solving