

# SIVANATH M

NETWORK ENGINEER



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Tirunelveli - 627 002

## OBJECTIVE

Aspiring Network Engineer with a strong foundation in networking protocols, routing, and troubleshooting. Adept at configuring network infrastructure, optimizing performance, and ensuring security. Passionate about learning and contributing to network maintenance and security in a dynamic environment.

## ACADEMICS

### Diploma Electronics and Communication Engineering

Percentage - 80%

IRT Polytechnic College

2023

### HSC

Percentage - 85.3%

St. Xavier's Higher.Secondary.School

2021

### SSLC

Percentage - 76.8%

St. Xavier's Higher.Secondary.School

2019

## CREDENTIAL

- Cisco Certified Network Associate (CCNA) – Elysium Academy
- Cloud Computing Certification – Elysium Academy

## TECHNICAL SKILLS

- **Networking Fundamentals** : Strong understanding of networking fundamentals, including TCP/IP, OSI Model, subnetting, supernetting, ARP, DHCP, and DNS
- **Routing Protocols** : Knowledgeable in routing protocols such as RIP, OSPF, BGP, and EIGRP for efficient network operations.
- **Switching Concepts** : Hands-on experience with VLANs, Trunking, and Spanning Tree Protocol (STP).
- **Network Security** : Understanding of ACLs (Access Control Lists) and NAT (Network Address Translation).
- **Operating Systems** : Proficient in Linux and Windows Server environments.
- **Networking Tools** : Familiar with Wireshark, Cisco Packet Tracer for network design, simulation, and troubleshooting.

### Additional Tools & Technologies

- **Ping** : Basic network connectivity tool for verifying communication between devices.
- **Tracert/Traceroute** : Network diagnostic tool for determining the path packets take across the network and identifying potential bottlenecks or failures.
- **MRTG** : Network monitoring tool used for graphing and analyzing the performance and traffic of network devices over time.

## INTERNSHIP

### Intern, Network Support

[Company Name], [Location]

**Duration:** [Start Date] – [End Date]

- Assisted in running ping and tracert commands to troubleshoot connectivity issues and perform route path analysis.
- Used MRTG to monitor network traffic and ensure the network met performance and bandwidth requirements.
- Collaborated with the team to troubleshoot latency issues and identify problems in the network infrastructure using diagnostic tools.

### DHCP Configuration :

#### Tools : Cisco Packet Tracer

- Configured a DHCP server on a Cisco router to automate IP address assignment across multiple devices in a simulated network.
- Set up DHCP pools with IP ranges, subnet masks, and gateway information for various VLANs.
- Configured ip helper-address to relay DHCP requests across VLANs.
- Implemented static IPs for key devices and dynamic addressing for clients.
- Tested and troubleshot DHCP functionality to ensure proper IP assignment and network connectivity.

### ACL Configuration :

#### Tools : Cisco Packet Tracer

- Configured standard and extended ACLs on Cisco routers to control traffic flow and enhance network security.
- Created ACL rules to permit or deny specific IP addresses or subnets from accessing network resources.
- Applied ACLs to router interfaces to restrict access to certain network segments based on security policies.
- Tested ACL configurations to ensure proper traffic filtering and access control across the network.
- Implemented ACL logging for monitoring and troubleshooting security events.