

# SIVANATH M

## NETWORK ENGINEER



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Tirunelveli

### 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** : Strong understanding 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 Windows and Linux 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.
- **Netstat** : Tool to displays network connections, routing tables, and interface statistics. It's used for monitoring active connections and troubleshooting network issues.

## **INTERNSHIP**

### **Intern, Network Support**

Elysium Academy, Tirunelveli

**Duration:** [06/01/2025] – [06/04/2025]

- Supported hardware troubleshooting efforts by assisting with physical inspections, verifying cable connections, and diagnosing hardware failures.
- Assisted in running ping and tracer commands to troubleshoot connectivity issues and perform route path analysis.
- Analyzed network performance and identified bottlenecks using diagnostic tools such as netstat and nslookup.
- Identified and resolved problems in the network infrastructure.
- Helped optimize network performance by reviewing routing tables, active connections, and port usage.

## **PROJECT**

### **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 troubleshooted 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.