# VIKRAM VISOWANATHAN

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## POSITION

Systems Engineer/Network Administrator

## PROFESSIONAL SUMMARY

Experienced Systems Engineer and Network Administrator proficient in Cisco Routers and Switches, LAN & WAN Routing, Static Routing, and Dynamic Routing Protocols (OSPF, EIGRP, BGP). Skilled in switch configuration, VLANs, Inter-VLAN routing, and STP. Expert troubleshooter for workgroup and domain networks, adept at file sharing and network infrastructure design. Proficient in server roles, DHCP, DNS, with basic knowledge of Python, PHP, and databases. Strong background in Bill of Materials creation, CATIA V5, and technical drawings. Cisco Certified Network Associate (CCNA) with hands-on experience in Cisco hardware.

## WORK HISTORY

**CCNA Intern**, 06/2023 - 09/2023
IBIS , Palakkad, India

- **Network Configuration and Maintenance:** Proficiently managed Cisco routers and switches, gaining hands-on expertise with various hardware models. Ensured optimal network performance and reliability.
- **Network Optimization:** Contributed to the implementation of VLANs, Inter-VLAN routing, and Dynamic Routing Protocols (OSPF, EIGRP, BGP), enhancing network segmentation, efficiency, and optimizing routing tables.
- **Network Troubleshooting and Security:** Played a pivotal role in monitoring, diagnosing, and resolving network issues. Implemented security measures such as Access Control Lists (ACLs) and Port Security to enhance network security and access control.
- **Automation and Documentation:** Gained practical experience in deploying basic Python scripts for network automation and monitoring. Assisted in documentation tasks, including the creation of technical drawings, schematics, Bill of Materials (BOM), and project reports.

**Junior Engineer**, 06/2022 - 05/2023
INTELIZIGN LIFECYCLE SERVICES PVT LTD, Bengaluru, Karnataka, India

- Designed and modeled wiring harnesses for trucks using Catia V5 and EZ Wiring, ensuring functionality and safety while adhering to project timelines and quality standards.
- Proficient in CAD software, including Catia V5 and EZ Wiring, for creating detailed CAD drawings and Bill of Materials (BOM), collaborating with senior engineers for precision.
- Expanded technical proficiency with programming languages, including Python and PHP, contributing to your versatility in engineering tasks.
- Gained valuable project management experience, utilizing tools like Microsoft Excel, Office, and Power BI for data analysis and reporting, and actively contributing to successful project outcomes.
- Demonstrated excellent communication and teamwork skills while collaborating with cross-functional teams and prioritizing attention to detail and safety awareness for high-quality project designs.

**Associate Trainee Engineer**, 06/2021 - 04/2022
SEOYON E-HWA SUMMIT AUTOMOTIVE INDIA PVT LTD, Tamil Nadu, India

- Conducted rigorous quality inspections on automotive paint applications, utilizing precision measurement tools to assess thickness, adhesion, and color consistency to meet industry standards and specifications.
- Collaborated with senior engineers to develop and implement quality control procedures, resulting in a 10% reduction in paint defects and improved production efficiency.
- Compiled detailed inspection reports and documentation, participated in cross-functional teams to address quality issues, and trained new team members on quality control procedures and safety protocols.
- Supported the development of standard operating procedures (SOPs) and collaborated with suppliers to ensure the timely delivery of high-quality paint and coating materials, maintaining a secure work environment.

## CERTIFICATIONS

- **Cisco Certified Network Associate CCNA (Local institution)**

## DECLARATION

I hereby declare that the above information is true to my knowledge.

## SKILLS

**Networking:**
- Cisco Routers and Switches (1700, 1800, 2621, 2821, 3725, 7206 series, 1900, 2900, 2960G, 3750 series)
- LAN & WAN Routing, Static Routing
- Dynamic Routing Protocols (OSPF, EIGRP, BGP)
- VLAN Configuration and Management
- Inter-VLAN Routing
- STP (Spanning Tree Protocol)
- DHCP (Dynamic Host Configuration Protocol)
- DNS (Domain Name System)
- Network Troubleshooting
- Workgroup and Domain Network Management

**Security and Infrastructure:**
- Network Security (ACLs, Port Security)
- IPv4 Subnetting and Supernetting
- Routing Configuration and Access Lists
- Network Address Translation (NAT)
- Virtual LANs (VLANs)
- Ethernet Communication and Devices

**Programming and Databases:**
- Python (Basic)
- PHP (Basic)
- Database Management (Basic)

**Design and Documentation:**
- Product Design (CATIA V5)
- Technical Drawings and Schematics
- Bills of Materials (BOM)
- Project Report Generation

## EDUCATION

**Bachelor of Engineering, Mechanical Engineering,** 06/2021
Anna University - Chennai

- **Grade/Cumulative GPA:** First Class with a CGPA of 7.77
- **Research Project:** Mode 1 fracture toughness analysis of phoenix sylvester filler reinforced polymer composites.

**Higher Secondary,** 04/2017
MES Higher Secondary School - Palakkad

- **Grade/Cumulative GPA:** First Class with 65%

**High School,** 03/2015
St. Thomas Higher Secondary School - Palakkad

- **Grade/Cumulative GPA:** First Class with 76%

## LANGUAGES

**English**
Bilingual or Proficient (C2)

**Malayalam**
Bilingual or Proficient (C2)

**Hindi**
Intermediate (B1)

**Tamil**
Intermediate (B1)

**Kannada**
Beginner (A1)