AKSHAY PATEL

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LinkedIn Page | GitHub Page

PROFESSIONAL SUMMARY

With strong problem-solving and analytical skills, I am a dynamic IT professional with 2 years in Network Security Administration and 2 years in System Administration. Currently pursuing CompTIA Security+ Certification to advance expertise in Cybersecurity. Proven ability to troubleshoot, enhance systems, and perform Network/System vulnerability scans. Eager to contribute practical experience and passion for cybersecurity and penetration testing to entry-level IT roles in the Canadian industry.

PROFESSIONAL EXPERIENCE

Cybersecurity Enthusiast and Content Creator

Self-Learning | Ottawa, ON Canada | Apr 2023 – Present

- **TryHackMe Practitioner**
  Actively working on SOC 1 and Junior Penetration Tester career paths to enhance practical skills in cybersecurity. Engaged in hands-on labs and real-world simulations to develop expertise in security operations and penetration testing.

- **Project: Home Lab – VirtualBox/VMware Virtualization**
  - Technologies Used: Kali Linux, Windows Server 2019, Windows 11, VirtualBox, Metasploitable 2
  - Project Link: Home Lab for Cybersecurity

- **Project: Active Directory Environment – Virtualization**
  - Technologies Used: Windows Server 2019, Windows 10/11, VirtualBox, PowerShell, DNS, DHCP, RAS
  - Project Link: Active Directory Home Lab Environment

- **Project: Automated Vulnerability Scanner and Port Scanner using Python**
  - Technologies Used: Python, Nmap, OWASP ZAP
  - Project Link: Automated Vulnerability Scanner

- **Project: Failed Login Attempt on Honeypot**
  - Technologies Used: Microsoft Azure, Log Analytics, Microsoft Sentinel, Honeypot VM
  - Project Link: Failed Login Attempt on Honeypot

- **Project: Phishing Email Analysis Project**
  - Technologies Used: Python, Email Analysis Tools, SOC Procedures
  - Project Link: Phishing Email Analysis Project

Network Security Administrator

Green Light Worldwide Pvt. Ltd. | Hobart, TAS Australia | Mar 2021 – Feb 2023

- Monitored and maintained network performance by configuring and managing routers, switches, and firewalls, resulting in a 25% increase in network reliability and a 30% reduction in downtime within 3 months.
- Corrected network faults and malfunctions, restoring connectivity for over 100 users and facilities within an average resolution time of 4 hours.
- Provided technical support to end-users, resolving 95% of connectivity issues and network access problems within 24 hours.

- Conducted monthly network audits, ensuring 100% compliance with security policies and optimal network performance.
- Maintained detailed documentation of network configurations, changes, and maintenance activities, updating records within 24 hours of changes.
- Collaborated with IT team members and other departments, reducing network operation disruptions by 50% through coordinated efforts.
- Configured and deployed Nessus Essentials for conducting vulnerability scans on Windows systems, successfully identifying and addressing security weaknesses within a 2-week timeframe.
- Assessed and remediated vulnerabilities with Nessus, reducing the number of critical security issues by 40% within 3 months.

Skills Developed:
Network Configuration | Network Performance Analysis | Hardware Management | IP addressing | VPN knowledge | Root Cause Analysis | Technical Support | Effective Communication | Nessus Vulnerability Scan | Malware Analysis | Cyber Kill Chain Framework | Git/GitHub | Python Automation | TCP/IP concepts | DNS/DHCP | Disaster Recovery Planning | Kali Linux Pen testing tools | Wireshark | Nmap.

IT Systems Administrator

Absolute I.T.| Sunshine Coast, QLD Australia | Nov 2018 – Dec 2020

- Automated Active Directory administration tasks using PowerShell, leading to a 30% increase in efficiency for user account maintenance and deployment over a 3-month period.
- Maintained cloud-hosted and on-site servers by applying patches and monitoring hardware health, leading to a 20% improvement in system uptime and performance over 6 months.
- Applied Burp Suite for comprehensive web app security testing, identifying and mitigating SQL injection, XSS, CSRF, and auth bypass vulnerabilities, improving web app security posture by 30% within 3 months.
- Generated detailed reports on network performance, costs, and downtime, providing actionable insights that led to a 15% reduction in network-related issues over 6 months.

Skills Developed:
Microsoft Active Directory | Burp Suite Scanner | SQLi | XSS | CSRF | Office 365 Administration | Azure Active Directory | Windows Server 2016-2019 | Permissions and Access Control | Spam Management | Shell/PowerShell Scripting | Windows 10/11/ Kali Linux/CentOS/Ubuntu

Junior Java Developer

Softvan Pvt Ltd | Ahmedabad, GUJ India | Apr 2015 – May 2016

- Analyzed and translated functional requirements into technical specifications, improving project clarity and execution.
- Evaluated hardware costs and security needs, optimizing budget allocation and enhancing system security.
- Managed full lifecycle software development, ensuring efficient planning, deployment, and maintenance.

Skills Developed:
WordPress, Java, JSP| JavaScript, XHTML, CSS | MySQL | Data Structures and Algorithms | ITIL | Data Storage and Retrieval | Debugging and Troubleshooting | Software Deployment

OTHER WORK EXPERIENCE

Pharmacy Assistant

Almonte Pharmacy and Health Center | Almonte, ON Canada | Sept 2023 – Present

Automotive Service Advisor Level 2

Majorel Canada Inc. | Waterloo, ON Canada | May 2023 – Aug 2023

Customer Service Representative

7-Eleven Australia | Sunshine Coast, QLD Australia | Oct 2016 – Sept 2018

EDUCATION

Master of Engineer – Information Technology (Network and Security Specialisation)

Charles Sturt University | Brisbane, QLD Australia | Jun 2016 – Jun 2018

Bachelor of Engineer – Information Technology

Gujarat Technological University | Ahmedabad, Guj India | Jun 2010 – Jun 2014

CERTIFICATION

- **Networking Devices and Initial Configuration – CCNA Equivalent (Cisco Network Academy)**

  Acquired practical skills in configuring and managing networking devices through Cisco Networking Academy coursework, equivalent to CCNA certification.

  - Technologies Used: Cisco Packet Tracer, Cisco routing and switching

- **Network Scanning with Zenmap (Nmap) (IBM)**
  Acquired expertise in network and vulnerability scanning techniques using Zenmap and Nmap.

  - Technologies Used: Zenmap, Nmap, Virtual machine, metasploitable 2 VM

- **Networking Basics (Cisco Network Academy)**
  Completed certification in IP addressing, subnetting, and network security. Proficient in configuring and managing routers, switches, and firewalls.

AVAILABILITIES

Full-time Mon- Fri (Available Weekends if needed) | Start Date: Immediately.