AKSHAY PATEL

Vision: Building a secure digital world by learning and defending against emerging cyber threats.

A: Ottawa, Ontario K2J 6N7 | E: akshay03patel@outlook.com
LinkedIn: https://www.linkedin.com/in/akshay-patel-2303/
GitHub: https://github.com/AkshayPatel03

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.

Cybersecurity Projects
- Conducted comprehensive Nessus vulnerability scans in a home lab environment to identify and mitigate security threats, enhancing overall network security posture.
- Implemented an Intrusion Detection System (IDS) and Intrusion Prevention System (IPS) using Snort in a home lab, effectively detecting and preventing potential security breaches.
- Monitored and responded to failed logon attempts in a honeypot environment using Azure Sentinel (SIEM). Enhanced security by analyzing and mitigating potential threats.
- Developed a Python script repository for penetration testers, automating tasks like SSH brute force, directory enumeration, network scanning, and hash cracking.

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.
- Maintained detailed documentation of network configurations, changes, and maintenance activities, updating records within 24 hours of changes.

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 | DNS/DHCP System | Disaster Recovery Planning | 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.

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

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.

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

- CompTIA Security+ SY0-701 (In Progress)
  Expected date of completion: Aug 2024

- Network Scanning with Zenmap (Nmap)
  IBM | Issued On: Jun 2024
  Relevant Skills: Zenmap, Nmap, Threat Detection, Vulnerability Scanning

- Networking Basics (CCNA Equivalent)
  Cisco Networking Academy | Issued On: Oct 2023
  Relevant Skills: Cisco Packet Tracer, OSI Network Protocols, TCP/IP, Network Troubleshooting