

Prableen Dhooper

Calgary, AB | 587-435-4248 | dhooperp@gmail.com | www.linkedin.com/in/prableen-dhooper

PROFESSIONAL SUMMARY

Software Development and Cyber Security diploma candidate with hands-on experience in penetration testing, vulnerability assessment, network security and Python-based security tool development. Built PhishProbe, a 14-module URL security analyzer with a Flask web interface and Mosaic, an EDR platform to detect threats. Brings 4+ years of loss prevention and physical security experience, including incident investigation, compliance auditing, and cross-team collaboration. Fluent in English, Hindi, Punjabi, and Urdu.

TECHNICAL SKILLS

- **Security & Penetration Testing Tools:** Nmap, Metasploit, Burp Suite, Nessus, OpenVAS, Nikto, Aircrack-ng, Wireshark
- **Networking & Systems:** pfSense, IPsec VPN, Active Directory, Windows Server, Kali Linux, Sysmon, Autoruns, firewall configuration, network segmentation
- **Programming & Scripting:** Python (Flask, threading, subprocess, SQLite), C#, SQL, Bash
- **Security Domains:** Vulnerability assessment, risk management, incident response, digital forensics, cryptography (AES, RSA, ECC, SHA-256), PCI-DSS compliance

CYBER SECURITY PROJECTS — SAIT CYBER SECURITY PROGRAM

PhishProbe — URL Security Analyzer

Python, Flask, SQLite, Nmap, Nikto

- Designed and built a 14-module Python security analyzer that evaluates URLs for phishing indicators, domain age, SSL certificate validity, open ports, and malicious redirect chains
- Developed a weighted risk-scoring algorithm that produces a percentage-based risk rating and classification (Safe / Suspicious / Dangerous)
- Built a Flask web front end with real-time scan progress, a results dashboard, and persistent scan history stored in SQLite
- Generated automated security reports in text, JSON, HTML, and PDF formats; deployed and tested the tool on Kali Linux

Penetration Testing & Vulnerability Assessment

Metasploit, Nessus, OpenVAS, Burp Suite, Aircrack-ng, Sysmon

- Performed vulnerability scans against Windows and Linux targets using Nessus and OpenVAS, identifying and validating high-severity issues (including SMB vulnerabilities and outdated jQuery XSS exposure) with Metasploit
- Identified and exploited XSS, CSRF, and SQL injection vulnerabilities in web applications using OWASP-based testing methodology
- Cracked WEP/WPA/WPA2 wireless networks and captured 4-way handshakes for offline password analysis using Aircrack-ng
- Conducted Windows exploitation labs (UAC bypass, privilege escalation, reverse shells) and used Sysmon, Event Viewer, and Autoruns to trace attacker artifacts and persistence mechanisms
- Executed Active Directory lateral movement techniques across a segmented network environment using impacket-smbexec

Network Security, Cryptography & Automation

pfSense, Wireshark, Python

- Configured IPsec VPN tunnels and firewall/segmentation policies in pfSense to secure a multi-network lab environment

- Analyzed encrypted Zigbee IoT traffic in Wireshark, extracting and applying a network key to decrypt captured packets
- Implemented and compared cryptographic algorithms (AES, RSA, ECC, SHA-256) for confidentiality, integrity, and digital-signature workflows
- Built Python automation tools, including a multithreaded security monitor for SSH log and Nmap analysis, and a CVE checker that correlates Nmap scan output against a CVE database

PROFESSIONAL EXPERIENCE

Loss Prevention Coordinator

February 2024 – August 2025

DB Schenker, Rocky View, AB

- Monitored inventory and facility activity to proactively identify and prevent loss, partnering with security teams to address theft and fraud incidents
- Investigated allegations of internal theft and fraud involving employees and vendors, reporting findings to management to drive corrective action
- Conducted regular compliance and safety audits, implementing procedures to safeguard company assets and merchandise
- Educated employees on anti-theft techniques and security awareness best practices
- Maintained familiarity with emergency and incident response policies to respond promptly to alarms and escalations

Senior Sales Associate

November 2020 – April 2023

7-Eleven, Calgary, AB

- Acted as shift lead in the manager's absence, overseeing daily operations, cash handling, and staff coverage
- Trained and mentored new associates on store procedures, safety protocols, and loss prevention best practices
- Monitored for theft and safety hazards while enforcing compliance with age-restricted product regulations (tobacco, lottery)
- Reconciled cash drawers and processed accurate deposits during store opening and closing procedures
- Conducted routine inventory audits and stock counts to help identify and reduce shrink
- Resolved customer concerns professionally, maintaining service standards and store reputation

EDUCATION

Cyber Security Program (Diploma)

August 2026

Southern Alberta Institute of Technology (SAIT), Calgary, AB

Software Development Diploma

August 2021

Bow Valley College, Calgary, AB

- Relevant coursework and projects: object-oriented programming (C#), relational database design (MySQL), network topology simulation (Cisco Packet Tracer), and responsive web application development (React)

LANGUAGES

English, Hindi, Punjabi, Urdu