

Manpreet Singh

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■ Portfolio: <http://insane-khalsa-998.github.io> | GitHub: insane-khalsa-998 | Location: United Kingdom

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## Professional Summary

Aspiring Cybersecurity Analyst / SOC Analyst with hands-on experience in security labs, vulnerability scanning, and incident response. Strong foundation in SIEM monitoring, threat detection, and log analysis through SOC training and projects. Transitioning from physical security (SIA Licensed) to digital defense, combining situational awareness with technical expertise. Skilled in Python, JavaScript/TypeScript, React, Flask, Nmap, Wireshark, and frameworks such as MITRE ATT&CK, OWASP Top 10, and ISO 27001.

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## Core Skills

- Security Operations: SIEM Monitoring (Splunk, ELK), Incident Response, Threat Detection, Log Analysis, Vulnerability Assessment
- Cybersecurity Knowledge: SOC Tier 1/2 Processes, Phishing Analysis, Malware Basics, Risk Assessment, Security Hardening
- Tools & Platforms: Wireshark, Nmap, Vulners API, Git, GitHub, SQLite, Linux, Windows Security
- Programming & Development: Python, JavaScript, TypeScript, React, Flask, Vite, Tailwind CSS
- Other Skills: Security Reporting, Shift Coordination, Communication, Team Collaboration

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## Education

BSc (Hons) Computer Science (Cybersecurity) – University of West London (2021 – 2024)

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## Projects

EPNRA – Security Personnel Management System (Final Stage of Development)

- Developing a full-stack workforce security management app with admin/employee dashboards, shift assignment, document management, and real-time reporting.
- Features location-based login, role-based access, and automated report generation.
- Tech Stack: React (TypeScript), Flask, SQLite, Bootstrap, MUI Icons.

## VPN Tunnel Implementation

- Built a secure VPN tunnel using OpenVPN to provide encrypted communications.
- Configured authentication, routing, and traffic inspection to simulate secure enterprise connectivity.

## Honeypot Deployment

- Deployed and monitored a honeypot environment (Cowrie/modern honeypot tools).
- Captured attacker behaviour, brute-force attempts, and malicious payloads for threat intelligence.

## Phishing Simulation Toolkit

- Created a phishing awareness toolkit for testing user awareness and simulating spear-phishing attempts.
- Implemented credential capture (lab only) and awareness reporting dashboard.

## Android Spyware Analysis Tool (Lab Project)

- Built a proof-of-concept Android spyware tool for controlled lab testing.
- Focused on analysing permissions abuse, keylogging, and data exfiltration techniques.
- Used to understand mobile threat vectors in real-world attack scenarios.

### Gesture Control System

- Designed a gesture recognition interface using TensorFlow Lite.
- Built a custom gesture recording & matching CLI tool with real-time feedback for user input.

### Cybersecurity Portfolio Website

- Built a responsive portfolio site showcasing projects and skills with GitHub/LinkedIn integration.
  - Designed with modern UI/UX, dynamic project listing and smooth animations.
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### Professional Experience

#### Security Officer – Loyal Reliance Ltd

United Kingdom | Sept 2024 – Present

- Currently employed as a licensed security officer, available to transition into a cybersecurity role immediately.
- Provide security coverage across retail stores, film production sets, corporate buildings, and large-scale events.
- Monitor CCTV systems, access control, and alarm systems to detect and escalate suspicious activity (transferable to SOC monitoring).
- Perform incident reporting, risk assessments, and rapid escalation to management and emergency services.
- Ensure compliance with site-specific security policies and maintain accurate daily logs.
- Recognised for reliability, loyalty, and professional conduct in diverse high-pressure environments.

#### Security Officer – Main Unit / Film Security

London, UK | 2018 – 2021

- Controlled access for film productions, managed visitor verification, and coordinated crew entry.
  - Monitored sensitive areas to ensure safety of cast, crew, and equipment.
  - Responded to on-site incidents and maintained detailed incident reports.
  - Collaborated with multiple departments to deliver secure operations in demanding environments.
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### Certifications & Training

- Certificate of Participation – SOC Bootcamp (Thinkcloudly, Aug 2025)
  - SIA Licensed Security Officer (UK)
  - TryHackMe SOC Level 1 (in progress)
  - TryHackMe SOC Level 2 (planned 2025)
  - Blue Team Level 1 (BTL1) (planned 2025)
  - CompTIA Security+ (planned 2025)
  - Training: OWASP Top 10, Secure Coding, Network Security Basics
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### Languages

- English (Fluent) | Punjabi (Native) | Hindi (Fluent)