

Ishwinder Singh

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Experienced Security Analyst with two years of experience and a focus on Digital Forensics and Mobile/Application Security. Proficient in Python, Java, Bash scripting, encryption, penetration testing, threat hunting, and data carving. Specialized in Windows, Android, Linux, and Active Directory security. Skilled in Virtual Reality (VR) and Augmented Reality (AR) development with strong problem-solving abilities.

Skills

- Programming: Java, Python, Bash, JS, C++
- Tools: Metasploit, OWASP, SIEM, Splunk
- Incident response, Pen testing
- Operating systems: Linux and Windows forensics
- Encryption & Hashing algorithms
- Network Security: Firewalls, IDS/IPS, VPNs, TCP, UDP and IP Protocols
- Web Application Security: WAF, OWASP Top Ten
- Compliance and Standards: GDPR, HIPAA, ISO 27001, NIST, PCI DSS
- Memory & network forensics
- Cloud Platforms: GCP, AWS, Azure
- Security policy development
- PowerShell, Log, and audit management
- Active Directory operations, Networking
- Database: SQL
- Mobile: Android development
- AR/VR/MR development: Unity 3D, Illustrator
- Wireless Security: Wi-Fi Security, WPA/WPA2, 802.1X
- Security Awareness Training
- Security Policies and Procedures

Professional Experience

Lead IT Analyst, *Saaspect.inc, Vancouver, BC*

Apr 2021 - Mar 2022

- Delivered comprehensive IT support and oversaw social media platforms.
- Spearheaded the design and administration of the internal network, including conducting internal security audits and implementing firewall solutions.
- Implemented and configured custom DNS settings to enhance network performance and security.
- Pioneered the development of a VR simulation for the network model.
- Developed custom SaaS solutions in collaboration with different departments and clients.

Virtual Reality Simulation Developer, *CHRP, Hyderabad*

Mar 2020 - Mar 2021

- Contributed to the development of over 10 VR simulations for the automobile and heavy machinery industries.

- Conducted remote installations of simulations on client sites to support training initiatives.
- Configured hardware components, including AR glasses, Meta Quest, HTC Vive, and Logitech Driving simulator.
- Designed a VR walkthrough for the Indian Game Developer Conference 2020.

Game Developer CO-OP, Industrial Design Centre, IIT Mumbai Dec 2019 – Mar 2020

- Contributed to creating Android and IOS app "Jellow Communicator."
- Gamification of Android app for beginner-level communication aid.
- Winner of Microsoft Equal Opportunity Awards 2017.

Research Assistant (Innovation Lab), Chitkara University, CHD Dec 2018 – Mar 2019

- Designed game levels for VR car driving game using map box API.
- Implemented VR walkthrough of the college using Unity3D and Google maps.
- Assisted in implementing new Unity3D plugins for storing data for the car game.

EDUCATION

Post- Baccalaureate – CSIS (Cybersecurity) Apr 2022 - Apr 2024 (Expected)

Douglas College, New Westminster, BC, GPA – 3.4

Projects

- Unauthorized Android Access
- Remote Access using password less authentication.
- Text Recognition and AR Demo
- Steel Plant Power Usage Predictor
- Web Scraper

Bachelor of Technology – Computer Science Apr 2016 - Apr 2020 (Expected)

Chitkara University, Chandigarh, Grade- 8.6

Skills

Java, Object Oriented Programming, Java, Unity 3D, Illustrator, System analysis and Design, Network Design

Certificates

Google Cybersecurity Professional Certificate Dec 2023 – Apr 2024(Expected)

Google (Coursera), Grade – 85%

Key Takeaways:

- Comprehensive understanding of cybersecurity practices and their real-world impact.
- Profound knowledge of common risks, threats, and vulnerabilities in cybersecurity
- Practical experience in implementing SIEM (Security Information and Event Management) tools for enhanced network protection.

ISC 2 Candidate – Cybersecurity Certified (CC) an 2024- Apr 2024(Expected)