

Ishwinder Singh

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Security Analyst with over two years of experience, currently pursuing studies in Digital Forensics, Mobile and Application Security. Proficient in Python, JAVA, Bash scripting, encryption techniques, penetration testing, threat hunting, and data carving. Expertise in Windows and Android security, Linux, and Active Directory functions. Experienced Virtual Reality (VR) and Augmented Reality (AR) developer with strong problem-solving skills.

Skills

- Programming: Java, Python, Bash, JS
- Tools: Metasploit, OWASP, SIEM, Splunk
- Incident response, Pen testing
- OS: Linux and Windows forensics
- Encryption & Hashing algorithms
- Network Security: Firewalls, IDS/IPS, VPNs
- Web Application Security: WAF, OWASP Top Ten
- Compliance and Standards: GDPR, HIPAA, ISO 27001, NIST, PCI DSS
- Memory & network forensics
- Cloud Platforms: GCP, AWS
- Security policy development
- PowerShell, Log, and audit management
- Active Directory operations
- 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

Profession Experience

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

Apr 2021 - Mar 2022

- Provided IT support and managed social media platforms.
- Designed and managed internal network logged internal security audits, and deployed Firewalls.
- Developed VR simulation for the network model.

Virtual Reality Simulation Developer, *CHRP, Hyderabad*

Mar 2020 - Mar 2021

- Assisted in developing 10+ VR simulations for automobile and heavy machinery industries.
- Remotely installed simulations on client sites for training purposes.
- Configured hardware components: AR glasses, Meta quest, HTC Vive, Logitech Driving simulator.
- Designed VR walkthrough for 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%

- Understanding of cybersecurity practices and their impact.
- Knowledge of common risks, threats, and vulnerabilities.
- Implementation of SIEM tools for network protection.