

# Simranjit Singh

India

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## Summary

Highly motivated and detail-oriented individual seeking an entry-level position in cybersecurity. Strong foundational knowledge in network security, vulnerability analysis, and security protocols, coupled with a proactive approach to problem-solving and a passion for staying updated with the latest cyber threats and technologies.

## Skills

**Language:** C, Python [Advance] & Java, JavaScript [Basic], Bash [Basic]

**Tools:** Monitoring Network Traffic [Nmap, Nikto, Wireshark], Vulnerability Scanning [Nessus]

Offensive Security [Password cracking using Hashcat], Privilege Escalation [gtfobins, Linpeas, Winpeas, pspy]

IDS & IPS [Snort], SIEM Framework [Splunk, QRadar]

**Frameworks:** Metasploit, Burp Suite, NIST Cybersecurity Framework, MITRE Cyber Prep Framework, Cybersecurity Risk Management [RMF NIST, Value-Based Security Risk Assessment [FAIR]]

## Projects

### Monitoring and Securing the DFI Environment [\[GitHub link\]](#)

- Monitored Server's using Did principles & Least Privilege as well as provided recommendations on OS hardening, Compliance issues.
- Mitigation Steps were recommended based on the analyses of Firewall reports, threat intelligence and IDS signatures.

### Navigating a Cybersecurity Incident [\[GitHub Link\]](#)

- Conducted research to understand what type of threat was involved, who was the actor behind the threat and how they were motivated.
- Recommended improvements to the incident response plan to address gaps based on the vulnerabilities.

### SwiftTech's Report [\[GitHub link\]](#)

- Identified potentially relevant compliance obligations, modified risk management policy to meet the company's specific needs.
- Assessed risk in the Company's infrastructure leveraging common risk management framework, and developed governance activities to ensure security controls are operated as expected.

## Work Experience

### Computer Instructor

Oct 2021 - Mar 2022

Kendriya Vidyalaya Gujarat, India

- Achieved B+ and above test results for 80% of students taught.
- Redesigned Networking ensuring fail safe as well as helped in curriculum development & administrative work

### Project Intern

Jun 2018

BISAG Gandhinagar, Gujarat

- Implemented a new plugin written in Python & Qtpy in Qgis to do analysis on the shape file data at a click of a button.

## CTF Player

### TryHackMe

Sep 2023 - Present

User-Id: [Sardarji007](#) [0x7] | Rank: Top 16 % | Rooms Completed: 22

## Education

Practical Ethical Hacking, TCM Security

Nov 2022 - Aug 2023

Intro To Cybersecurity Nanodegree, Udacity

Dec 2022 - Jul 2023

Deep Learning Nanodegree, Udacity

Dec 2019 - Sep 2020

BTech CSE

Aug 2016 - May 2020