HITESH YADAV

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EDUCATION AND TRAINING

Carnegie Mellon University — Pittsburgh, PA
Master of Science in Information Technology and Information Security — December 2023

University Of Delhi, Department of Computer Science — Delhi, India
Master of Science in Computer Science | GPA: 8.449/10 — Spring 2021

Shaheed Sukhdev College of Business Studies, **University of Delhi** — Delhi, India
Bachelor of Science in Computer Science | GPA: 7.149/10 — Spring 2019

Certified Red Team Expert, CRTP, Pentester Academy — Summer 2022

Certified Ethical Hacker, CEH, EC-Council — Spring 2020

SKILLS

- **Coursework:** Information Security, Information Assurance, Computer Networks, Browser Security, Software Reverse Engineering, Host-Based Forensics, Cyber Risk Modelling.
- **Languages:** C++, Bash, JavaScript, HTML, CSS, Python, Software Reverse Engineering, x86_64 Assembly, Google Scripting, Microsoft Excel, AWS, Github, Veracode, WireShark, Active Directory, GDB, NMAP, Cloud Security
- **Tools:** Veracode, Burp Suite, Frida, Metasploit, Acunetix, Nessus Sqlmap, Wireshark, Aircrack-Ng,

WORK EXPERIENCE

Safe Security — Delhi, India
Associate Security Analyst — Spring 2021 - 2022

- Led **Vulnerability Assessment and Penetration Testing** of 100+ Android and web applications utilizing Burp Pro, Acunetix, Veracode, and Metasploit, Bash Scripts and identified more than **20+ security vulnerabilities**.
- Performed **Secure code Reviews** using Veracode for PHP applications
- Managing and performing **security audits** on a periodic basis of organization products using Manual and automated tools and scripts.
- Managing **Perimeter Security** using **AWS**.
- Uplifting skill sets of the team through Tech Talks on emerging topics related to security
- Skilled at communicating **vulnerability mitigations**, **business impacts,** and **remediation** steps to developers & managers.

Synack Red Team — Spring 2021
Freelance

- Private **Bug Hunting** platform; acceptance through solving a **CTF-based** examination.
- Performed **Security bug Discovery** on development servers of large organizations and ethically reported them on the platform

SISA Information Security Pvt Ltd — Bangalore, India
Security Analyst Intern — Fall 2020

- Performed **VAPT** of 20+ web and android applications using Burp Suite Pro, Bash Scripts, Open-Source tools
- Exploited a modern-day banking application and generated a penetration test report to showcase my knowledge
- In-Depth knowledge of OWASP Top 10 and hands-on exploitation

Gurugram Police Cyber Security Summer Internship — Delhi, India
Cyber Security Intern, led by Mr. Rakshit Tandon — Summer 2020

- Solved various challenges in Open-Source Intelligence (OSINT), Cryptography, Password Cracking, Enumeration & Exploitation of Web Applications.
- Mentored a team of 5 & enabled them to participate in **CTF** events.
- Worked Individually as well as in a team-based environment to solve Capture the Flag-based Challenges.

Noida Police, Cyber Security Summer Internship — Delhi, India
Cyber Security Intern, — Fall 2020

- Independently performed **Penetration Tests** on Indian Government Applications
- Gained knowledge on reviewing Incident Response for **Cyber Crime** Department.
- Conduced **OSINT Gathering** on critical government assets to provide an overview of security

RESEARCH/ACADEMIC PROJECT

X509 Certificate Chain Checker — Pittsburgh, PA
Information Security Project — Fall 2022

- A python script to check the validity of the X509 Certificates chain presented by a domain using python OpenSSL Crypto, urllib, and fnmatch libraries.

RFID Security and Privacy — Gurugram, India
Internship Project — Summer 2020

- Independently presented a comprehensive study on security and privacy issues related to RFID technology.
- Highlighted the security issues existing in RFID technology which can lead to attacks like card cloning and Man-In-The-Middle attacks

AWARDS AND ACHIEVEMENTS

- Awarded and recognized from **Bug Bounty** platforms for **Responsible Vulnerability Disclosure**: PlayStation MakeMyTrip, Govt of India, Techgig.com, branch.io.