Satyam Ashish Garg

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Highly motivated and detail-oriented cybersecurity professional with a Bachelor's degree in Computer Science and currently pursuing a Master's degree in Cyber Security. Possesses hands-on experience in vulnerability management, penetration testing. Holds ISO 27001 Lead Auditor and Fortinet Network Security Expert Level 1 certifications.

EDUCATION

University of Southampton   **Southampton, England.**
Master of Science in Cyber Security   **Sept 2022 - Sept 2023**
- **Relevant Coursework:** Cryptography: Cracked 3 ciphers using various techniques
- RobtheBank: Penetration Testing and finding flags in a vulnerable web application
- Password Cracking: Cracking hashes and account passwords using JohnTheRipper and analyzing the strengths of the cracked passwords
- Memory Analysis: Digital Forensics, Memory analysis of a dump file using volatility and vagrant
- RobServ: Consisted of 9 teams where each team had to secure their own server and then attack the other teams' server to capture flags.

Birla Institute of Technology and Science, Pilani   **Dubai, UAE**
Bachelor of Engineering in Computer Science   **Aug 2017 - Jun 2021**
Relevant Coursework: Computer Networks, Compiler Construction, Theory of Computation, Data Structures, Data Mining

EXPERIENCE

SDG Corporation – Vulnerability Management Intern (Remote).   **Dec 2021 – April 2022**
- Conducted vulnerability management on more than 100 hosts using Nessus and created reports on various vulnerabilities and their mitigation methods
- Explored and identified vulnerabilities on the systems using a vulnerable virtual machine and developed proof-of-concept (PoC) exploits for the same
- Mitigated a critical vulnerability found on multiple systems, which was a vulnerability in Apache Log4J allowing for Remote Code Execution (RCE)

IPCA Laboratories – Summer Intern (Web Security) (Mumbai, India)   **Jun 2019 - Aug 2019**
- Oversaw the security of a web application created by a team of 5 interns
- Tested the web application for bugs and vulnerabilities using Burp-Suite and OWASP-ZAP
- Presented PPTs on Network Penetration Testing and Security and on OWASP top 10 vulnerabilities

PROJECTS

- Keylogger written in C#: Used low-level keyboard hooks to intercept keyboard events and record keystrokes into a log file. Once the log file reaches a certain size, the program archives the log file and sends it via email using Gmail SMTP.
- Basic file integrity monitor coded in Python: Monitored a specific directory for any changes in the files.

SKILLS

- **Bash Scripting**
- **Linux Command line**
- **Nessus**
- **Penetration Testing**
- **Vulnerability Management**

CERTIFICATIONS

ISO 27001 Lead Auditor Certification
Fortinet Network Security Expert Level 1: Certified Associate
Bash Scripting: Code Academy.

MISCELLANEOUS

- Regularly solve CTFs on TryHackMe. Vulnhub and HacktheBox. I also write writeups and articles on Medium!