AKANKSHA RAGHVESH

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SUMMARY

Cybersecurity specialist skilled in Pentesting, Network Security, Vulnerability Management, and Cryptography. Enhanced analytical thinking and collaborative teamwork through Rush University Medical Center experience. Proficient in team management, offering a proven record of success to elevate IT security efforts. I am committed to continuously honing my interpersonal skills .

EDUCATION

Illinois Institute of Technology, Chicago, IL   Expected 12 2023
Masters of Cybersecurity
Courses: Computer Networks , Software Testing , Data Privacy and Security , Cryptography , System and Network Security.
Extracurricular : Participant in SANS CyberStart capture the flag hackathon , Student Assistant at Chicago Public Schools.

SKILLS

- Operating Systems and Language: Windows , MacOSX , Kali Linux , Parrot OS , Ubuntu , Java , PowerShell , Python , SQL .
- Technical Skills : Vulnerability&Penetration testing , SIEM , OWASP Top 10 , Azure , Firewalls , Routers , OSINT , SDLC , Microsoft Dynamic 365 , Microsoft Office .
- Tools : Nmap, Wireshark, BurpSuite, Metasploit, Nessus, Splunk, Aircrack-ng, VMware, Docker, Android Studio.

PROFESSIONAL EXPERIENCE

Cybersecurity Intern
Rush University Medical Center-REACH, Chicago , IL   May 2023 - August 2023
- There was a need to conduct thorough assessments of web-based systems to identify threats and safeguard sensitive data.
- Conducted in-depth web application assessments to assess scalability and ensure compliance with security standards.
- Employed Burp Suite for detailed web application assessments, systematically identifying and analyzing vulnerabilities.
- Successfully identified and documented vulnerabilities in web-based systems, enabling proactive security measures to mitigate potential risks.

Application Security Intern
METI, Nagoya, Japan   August 2021 - December 2021
- Tasked with addressing critical application security vulnerabilities like SQL injection and insecure authentication .
- Led a team of five to address and mitigate SQL injection, XSS (Cross-site scripting), and authentication vulnerabilities.
- Conducted OWASP Top 10 vulnerability assessments,implemented CVSS-based security measures to fortify application.
- Collaborated on network reconnaissance, port scanning, and traffic analysis to identify and mitigate network weaknesses.
- Contributed to a significant reduction in vulnerabilities, achieved a twofold improvement in authentication security.

PROJECT EXPERIENCE

Open Source Intelligence and reconnaissance Tool   May 2022 - August 2022
- Developed an advanced Python-based OSINT tool, leveraging APIs, web scraping, and libraries like requests and shutil.
- Utilized Python requests library for HTTP requests, extracted JSON, and scraped non-API websites for data retrieval .
- Enhanced program output using ANSI escape codes to implement color-coded information for improved visibility .
- Implemented shutil for efficient file manipulation and data organization, showcasing OSINT expertise and programming .

DeID Anonymizer   December 2022 - February 2023
- Crafted a Python-based app with PyQt5 and PySpark for k-anonymity dataset anonymization, supporting CSV and JSON.
- Incorporated advanced features for column-specific anonymization, interval size generalization, and string column hashing.
- Achieved impressive efficiency, anonymizing 7 GB of CSV data within a user-friendly interface in just 12 minutes.

CERTIFICATIONS

- ComptIA Security+ , CISCO Certified Support Technician , 210W-06 ICS Cybersecurity Threats Certification .

VOLUNTEER AND LEADERSHIP

- Volunteer Member at Women In Cybersecurity .
- Volunteered as an elementary school teacher at Drake Elementary School Chicago.