Ansh Chandnani

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EDUCATION

Drexel University   September 2019 - June 2023
B.S. in Computing and Security Technology, minor in Computer Science   *Cumulative GPA: 3.96/4.0*

Relevant Coursework: Computer Forensics, Windows Server Management, Database Management Systems, Web Systems & Services, Python Programming, Social Aspects of Information Systems, Discrete Mathematics

WORK EXPERIENCE

Susquehanna International Group   Philadelphia, USA
Cybersecurity Coop - Firewall Services Team   *September 2020 - March 2021*
- Working to facilitate secure access across **global offices and exchanges** for various services and workstations.
- Engaging in **automation projects** for routine procedures, status checks, and compliance checks.

STAR Scholars, Drexel University   Philadelphia, USA
Cybersecurity Research Intern   *July 2020 - September 2020*
- Explored how **ontologies** and **semantic graphs** can be used to secure Industrial Control Systems.
- Developed an ontology using **Protege** to model **threats, vulnerabilities, and exploits** among other vital information from an Ethical Hacking standpoint.
- Created unique **SPARQL queries** to filter and organize data for various **competency questions.**
- Co-authored a research paper currently under review for the 16th **International Conference on Cyber Warfare and Security.**

Kyrion Technologies, Microsoft Training Association   Kolkata, India
Cybersecurity Intern   *June 2019 - July 2019*
- Worked on Fundamental Security Methodologies including **Network Management, Vulnerability Analysis, and basic Penetration Testing**
- Developed and used exploits for **Man In The Middle, Cross Site Scripting, Dictionary based, & Phishing attacks**
- Presented conclusive research analysis on **Hash Functions** used on industrial scales

Young Leaders for Active Citizenship, Instagram   Kolkata, India
Fellowship   *June 2018 - September 2018*
- Led social campaigns in association with Instagram on topics of Gender Equality, Mental Wellbeing, and Body Positivity
- **Influenced roughly 25,000 people**, based on data provided by Instagram, from the ages of 12 to 21 all across India.

SKILLS

Security	Nmap, JohnTheRipper, Wireshark, Burpsuite, Aircrack-ng, Crunch
Programming	Python, C++, Bash, JavaScript, PHP, SQL
Operating Systems	Linux (Ubuntu, Kali, Arch), Windows Server & Workstation, MacOS
Tools & Technologies	Git, Windows Powershell, Vim, FortiManager, LaTeX

PROJECTS

- **BabyRSA -** A cybersecurity tool coded in python that **decodes RSA Encryption based on three given variables**
- **OfflineCaesar -** A nifty python script to **brute force Caesar Ciphers**. Useful tool in Capture The Flag competitions.
- **SpyFi -** **Wifi and Network monitoring tool** written in python using the *os* module. Utilizes the **Aircrack-ng** suite.
- **Oracle SQLizer -** Python script that uses RegEx and iteration to create SQL INSERT statements while managing data types from an inputted CSV file.
- **SSL Strip -** Utilized *SSLStrip by Moxie Marlinspike* to lead attacks on dedicated target machine. Used concepts of **Networking**, **Port Forwarding**, and **Passive Reconnaissance.**

CERTIFICATIONS

- Security Fundamentals, Microsoft Training Association
- Network Fundamentals, Cybrary

INVOLVEMENTS & ACHEIVEMENTS

- **Regional Winners** in the Collegiate Penetration Testing Competition 2020 (part of the Drexel University Team)
- Competed in Collegiate Cyber Defense Competition 2020 (Windows Defense Team)
- Participated in Google Codefest 2019
- Member of Drexel Cyberdragons (Cybersecurity club)
- Active member of HackTheBox (@mrdebator) & VulnHub