

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

Selected Coursework: Computer Forensics, Network Administration, Windows Server Management, Advanced Programming Techniques, Database Management Systems, Web Systems & Services, Social Aspects of Information Systems, Discrete Mathematics

WORK EXPERIENCE

Google

Mountain View, CA

Security Engineering Intern - Detection Team

June 2021 - September 2021

- Will work with the Google Cloud **Detection team** to build threat detection automation based on network traffic.

Susquehanna International Group

Philadelphia, PA

Cybersecurity Coop - Firewall Services Team

September 2020 - March 2021

- Facilitated secure access across **global offices and exchanges** for various services and workstations.
- Designed and Built a Rule Lookup tool for all firewalls across the world, eliminating the need for manual lookup operations.
- Actively engaged in automation projects revolving around firewall health checks, status checks, and information gathering operations.

STAR Scholars, Drexel University

Philadelphia, PA

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** published by 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

SKILLS

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|----------------------|--|
| 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, Protege, FortiManager, L ^A T _E X |

SELECTED 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.
- **Oracle SQLizer** - Python script that uses RegEx and iteration to create SQL INSERT statements while managing data types from an inputted CSV file.

CERTIFICATIONS

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

INVOLVEMENTS & ACHIEVEMENTS

- **Vice President** of Drexel Cyberdragons (Cybersecurity club)
- Awarded 'Best Poster Presentation' at the **Stanford Research Conference 2021**
- Presented research at the **Harvard National Collegiate Research Conference 2021**
- **Regional Winners** in the Collegiate Penetration Testing Competition 2020 (part of the Drexel University Team)
- **Ranked 4th out of 113 teams** in the CyberSEED Capture-the-Flag (CTF) competition 2021
- Competed in Collegiate Cyber Defense Competition 2020 (Windows Defense Team)
- Active member of HackTheBox (@mrdebator) & VulnHub