

# PRANEETH BABU MARELLA

## Cybersecurity Analyst+ (CySA+) | Security+

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## RELEVANT EXPERIENCE

### Associate Detection and Response Analyst

#### Expel

November 2019 – Current    Herndon, VA

- Monitoring and analyzing data from various network and endpoint technologies in real-time.
- Escalating validated security incidents to customers and providing initial remediation actions.
- Writing up security incident reports detailing the threat, remediation steps, and possible resiliency actions.
- Contributed to the rule building and tuning efforts to help refine network/security technology alerting.
- Developed a python script that analyzes the header info and body of e-mail files (.eml and .msg) to extract phishing related IoCs.
- Integrated the urlscan.io API into an internal analysis tool to help quickly determine if a suspected URL/domain is hosting a credential harvester and/or other malicious content.

### Cybersecurity Analyst Intern

#### Symantec

May 2019 – November 2019    Herndon, VA

- Investigated security incidents for customers and performed escalation for validated threats.
- Developed a python script that reduced the time needed to process network logs for Netflow analysis from 2-3 hours to 15 minutes.
- Utilized the NIST Cybersecurity Framework and SP 800-53 Rev. 4 to develop a security assessment for customers to understand their relative security posture.

### Election Cybersecurity TTX Designer

#### Idaho Secretary of State's Office

October 2018 – January 2019    Boise, ID

- Developed a process flow for elections in different Idaho counties and identified potential entry points for attacks.
- Designed realistic threat profiles and built scenarios that highlight the importance of security for the workshop.

## PUBLICATIONS

### BroncoVote: Secure Voting System using Ethereum's Blockchain

*In Proceedings of the International Conference on Information Systems Security and Privacy*, 2018. ICISSP. 12 pages.

### Ancile: Privacy-preserving Framework for Access Control and Interoperability of Electronic Health Records using Blockchain Technology

*Sustainable Cities and Society Journal*, 2018. Elsevier. 16 pages.

## EDUCATION

### M.S. in Information Security and Assurance

#### George Mason University, Fairfax, VA

January 2019 – Ongoing

### GradCert in Telecommunications Forensics and Security

#### George Mason University, Fairfax, VA

January 2020 – Ongoing

### B.S. in Computer Science

#### Boise State University, Boise, ID

August 2015 – December 2018

- Minor: Applied Mathematics
- Honors: *Cum Laude*

## RELEVANT COURSES

Critical Infrastructure Security

Ethical Hacking

Network Security

Secure Software Design and Programming

Forensics Fundamentals

Intrusion Detection for Forensics

Applied Cyber Intelligence

## TECHNICAL SKILLS

### Languages/Frameworks:

Python

Java

JavaScript

LaTeX

Solidity

Django

REST

### Network/Security Tech:

Carbon Black Defense/Response

Palo Alto Networks

Darktrace

Endgame

CrowdStrike

SentinelOne

Microsoft ATP

Azure

AWS

### Tools:

Git

Jupyter Notebooks

SumoLogic

LogDNA

VMWare

Wireshark

NMap

Metasploit

Snort