

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 log data, network traffic, and/or alerts generated by various security technologies in real-time.
- Investigating attacks against customer networks. Escalating and explaining validated security incidents to customers.
- 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 tech 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

Tools:

Git SumoLogic LogDNA VMWare
Wireshark NMap Metasploit
Snort