PRANEETH BABU MARELLA

Cybersecurity Analyst+ (CySA+) | Security+ | AZ-900

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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