Pramatha P Yaji

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Summary

Results-driven Cloud Security Engineer with a Master's in Cybersecurity and years of hands-on experience in cloud infrastructure, automation and security. Proficient in Python automation and IaC, with a track record of securing cloud-hosted environments and building detection use cases in Azure and AWS.

Education

University at Buffalo, State University of New York August 2024 – May 2026
Master of Science in Cybersecurity *GPA – 3.83*

Sri Sairam College of Engineering, India August 2020 – June 2024
Bachelor of Engineering in Computer Science and Engineering *CGPA – 8.41*

Experience

Wrenberg Private Limited August 2023 – August 2024
Cloud Security Engineer *Bengaluru, India*

- Deployed and secured a cloud-hosted website on Azure, implementing WAF, HTTPS, and NSGs, reducing OWASP Top 10 exposures by 40%.
- Hardened IAM by configuring Conditional Access policies, enforcing MFA, and applying least-privilege role assignments in Azure Active Directory.
- Integrated Azure Security Center and Sentinel for centralized monitoring, enabling faster detection and response to anomalous activities by 30%.
- Developed PowerShell and Python scripts to automate routine security checks and reporting, reducing manual workload.

F13 Technologies June 2023 – October 2023
AWS Cloud Internship *New Delhi, India*

- Deployed AWS EC2/S3 environments using Terraform for IaC provisioning, under guidance of senior engineers.
- Assisted in providing technical support and troubleshooting for AWS services, ensuring high availability and minimal downtime.

Skills and Certifications

- **Certifications:** CompTIA CySA+, CompTIA Security+, CompTIA SAP, SC-200, AZ-500
- **Cloud Security:** AWS (IAM, WAF, CloudTrail, Security Hub), Azure (Sentinel, Security Center, NSGs).
- **Networking and Systems:** TCP/IP, OSI, Firewalls, Virtualization, Containers, CI/CD, Active Directory.
- **Security Operations:** Splunk, Wireshark, NIST CSF, CIS Benchmark, Nessus, SIEM, Vulnerability Management.
- **Languages:** Python, C, C++, SQL, HTML/CSS.

Projects and Technical Experience

Azure SOC Lab – GitHub

Implemented a SIEM use case in Azure Sentinel, monitoring RDP login events for detection of unauthorized access and created custom KQL queries to log, filter, and analyze successful RDP connections.

Pen-Testing Homelab – GitHub

Developed a penetration testing environment using VMware, Kali Linux, and Metasploitable2 and identified and exploited vulnerabilities in a controlled lab environment.

Internal Lockdown

Served on Blue and Black Teams in a simulated Lockdown competition, improving incident response and adversary emulation capabilities.