Siddha Mehta

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Technical Experience

Security Engineering Intern, Amazon Jun. 2025 - Present

- Created a scalable bot to track code changes, summarize the changes using Gen AI with respect to security and notify the security team reviewing the code.
- Performing security testing and secure code reviews of applications built in Amazon which are used by millions of users on a daily basis.

CSS Student Lab Assistant, University of Washington Apr. 2025 - Present

- Creating automation scripts using Ansible for setting up labs.
- Providing technical support to faculties and students.

Security Engineer, Ataloud Technologies Apr. 2024 - Aug. 2024

- Created a repository of automation scripts for tasks such as backup and update. Also developed scripts for automated creation of CI-CD pipelines for projects, these scripts created the pipelines in Jenkins with SAST, DAST and dependency scanning, also deployed the environment for it based on the requirements.
- Provided support, managed incident response and mitigation for both on-premises and cloud environments.

Associate Cloud Security Engineer, Ataloud Technologies Aug. 2023 - Apr. 2024

- Created a vulnerability assessment tool for networks with diverse endpoints which helped resolve vulnerable points in the network and also helped the pre-sales team to boost sales by 20% based on the VA report generated using this tool. The tool is deployed using a VM image in data centers, the VM was custom Ubuntu image.
- Designed a Cloud Security Posture Management (CSPM) tool for continuous compliance and automated remediation of cloud infrastructure, it was a part of another tool being developed for automated cloud environment management.
- Designed a Python application to leverage AWS KMS for encrypting and decrypting large CSV files, enabling secure sharing via S3 across multiple AWS accounts.
- Developed security focused CI/CD pipelines using different tools integrating them into existing cloud deployments. Created optimized shift left CI-CD pipelines by leveraging AWS EFS and ECS which reduced the cost by 50% and delivery time by 30%.
- Secured cloud environments with firewalls, hardware security modules from vendors including Check Point and Thales.

Cloud Engineer Intern, Ataloud Technologies Feb. 2023 - Aug. 2023

- Provided technical assistance and support for AWS cloud services. Collaborated with cross-functional teams to implement cloud security measures. Assisted in monitoring and optimizing cloud infrastructure for performance and compliance.
- Utilized vendor solutions, such as Check Point, created secure architectures with the vendor solutions for clients.

Cybersecurity Research Intern, Hack-X Security Aug. 2021 - Feb. 2022

- Researched security vulnerabilities and tools for the development of a training platform. Developed a Capture The Flag (CTF) website with vulnerabilities which was going to be used in the training platform.

Education

Master of Science in Cybersecurity Engineering Aug. 2026
University of Washington

Bachelor of Technology in Computer Science and Engineering with Honors in Security and Privacy Jul. 2023
Symbiosis Institute of Technology

Diploma in Computer Engineering Nov. 2020
MIT Polytechnic

Projects

Smart Street Light System Mar. 2022
Internet of Things, ThingSpeak, Arduino

- Street light system that is energy efficient and smart, using LORA as communication technology.
- Led a group of 3 teammates, designed the circuit and developed the code for LoRa communication between the street light and the central gateway for sending data such as battery level and light bulb status. Also uploaded the data to Firebase for storage and future analysis purposes.

Smart Irrigation System | Published Research Paper in IEEE Xplore Nov. 2022
Internet of Things, Machine Learning - Classification, Python

- Smart irrigation system designed to minimize water wastage while irrigating crops.
- Led a group of 3 teammates, designed the circuit and developed the algorithm for efficiently irrigating the crops with an accuracy of 71%. The algorithm was optimized enough to be able to execute on a Raspberrypi 3b plus.

Call Detail Record and Internet Protocol Detail Record Analysis | Published Research Paper in Springer Nov. 2022
Machine Learning - Clustering, Big Data, Python

- Algorithm to analyze CDR and IPDR data for anomaly prediction.
- Worked in a team of 4, developed the python program for the pseudo dataset creation and also developed the program for interactive graphs used for visualizing the data.

Certifications

Developing Secure Software (LFD121) Feb. 2024
The Linux Foundation

Certified Ethical Hacker Version 10 (CEH v10) Jun. 2020
EC - Council

Technical Skills

- AWS, DevSecOps
- C, C++, Linux development, Python, Java, HTML/CSS, JavaScript, Bash, Powershell