

Vivian J. Goshashy

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SUMMARY OF SKILLS AND QUALIFICATIONS FOR CYBERSECURITY INTERN

- Cybersecurity student with a strong foundation in applied mathematics, AI/ML, and security engineering, focused on threat detection and response.
- Hands-on experience in security analysis, log investigation, and building automations for vulnerability scanning and compliance using Python, PowerShell, and Bash in AWS.
- Skilled in applying data-driven and AI-enhanced methods for anomaly detection, threat hunting, and accelerating security operations.
- Passionate about protecting critical assets and customers through proactive hunting, intelligent detection engineering, and cross-functional collaboration.
- Bilingual in English and Swahili

TECHNICAL

Security: SIEM, Threat Hunting, Penetration Testing, Vulnerability Scanning, Incident Response, MITRE ATT&CK, NIST CSF, OWASP

OS & Platforms: Linux (Ubuntu, Kali), Windows, Kubernetes (Exposure), Cloud (AWS Security)

Languages: Python, SQL, PowerShell, Bash, R

Frameworks & Tools: Wireshark, Kali Linux, Cisco Packet Tracer

AI/ML: TensorFlow, PyTorch, Scikit-learn, Anomaly Detection

CERTIFICATIONS

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|---|--------------------|
| ▪ CompTIA Security+ | Expected date 2025 |
| ▪ AWS Certified Cloud Practitioner | Expected date 2025 |
| ▪ CCNA | Expected date 2026 |
| ▪ CompTIA Linux+ | Expected date 2026 |
| ▪ Windows Server Hybrid Administrator Associate | Expected date 2026 |
| ▪ SQL Basics for Data Science | 2021 |
| ▪ IBM Data Science Specialization | 2021 |

EDUCATION

- | | |
|---|--------------------|
| BASc, Cybersecurity , Bellevue College, Magna cum laude | Expected June 2027 |
| MS, Applied Mathematics , Eastern Washington University, Magna cum laude | Jun 2023 |
| BS, Applied Mathematics Central Washington University, Cum laude | Jun 2021 |
| Associate Degree, Liberal Arts and Science , Edmonds Community College, Cum laude. | Jun 2018 |

EXPERIENCE

AI Trainer for Mathematical Reasoning, Scale AI, Remote

Jul 2024 – Jul 2025

- Trained AI models in logical reasoning, technical problem-solving, and data-driven security use cases.
- Evaluated and improved AI outputs, focusing on accuracy, bias reduction, and robustness for technical decision-making.
- Produced technical documentation and structured datasets to support LLM-based vulnerability reasoning.

Graduate Student Assistant, Eastern Washington University, Cheney, WA

Sep 2021 – Jun 2023

- Delivered lectures for 100+ students in computing and mathematics, simplifying complex technical concepts.
- Developed instructional materials on algorithms, data analysis, and security fundamentals.
- Strengthened ability to communicate technical findings to both technical and non-technical teams.

PROJECTS (complete list at viviangoshashy.com)

- Network Design & Security Implementation – Designed and implemented secure networks using Cisco Packet Tracer, applying security architecture principles. 2025
- Wireless Network Security – Conducted penetration testing and mitigation using Wireshark, analyzing vulnerabilities and implementing security controls. 2025
- Cloud Security – Deployed and secured S3 static website hosting on AWS, integrating compliance and access management best practices. 2025
- Cybersecurity Labs (Ongoing): Practicing real-world scenarios on TryHackMe **and** StationX, covering SIEM, phishing, malware, and DDoS attack simulations. 2025

AWARDS

- Student of Color Conference Award Recipient, 2017
- Leadership in You Facilitator, Edmonds Community College, 2017
- Graduate Mathematical Modeling Camp Participant, 2022