

# Nehemia Araia

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## EXPERIENCE

**University Information Security Office** | *Security Analyst Intern*

Norfolk, VA | Aug 2025 - Present

- Investigated and Responded to **75+** monthly phishing and suspicious email reports, leveraging Microsoft defender to identify threats and mitigate risks across the university.
- Leading student SOC operations by executing incident response procedures, escalating high-severity alerts, and collaborating with management to reduce potential risks.

**Amazon Web Services** | *Cloud Support Engineer Intern*

Dallas, TX | May 2025 - Aug 2025

- Completed **65+** hands-on labs, applying **50+** AWS services across real-world scenarios involving automation, networking, compute, and storage.
- Automated the design & deployment of a highly available, auto scaling ECS containerized application using Terraform, integrating ALB, WAF, and CloudWatch, improving response time by **45%** through load balancing and scaling.
- Led the development of an AI-powered meeting summarizer that transcribes and generates summaries from audio, while enhancing cloud architecting and troubleshooting skills through scenario based challenges.

**Northwest Federal Credit Union** | *IT Security Intern*

Herndon, VA | June 2024 - Aug 2024

- Engineered and deployed a phishing campaign to educate employees on social engineering tactics, leading to a **20%** reduction in phishing susceptibility across the organization.
  - Collaborated with the team to optimize security tools and ensure NIST SP 800-53 compliance, supporting patch management, endpoint protection, disk encryption, email/web gateways, MFA, and LogRhythm SIEM.
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## SKILLS

**Certifications:** CompTIA Security + | AWS Certified AI Practitioner | AWS Solutions Architect Associate | CySA+

**Languages & AI/ML:** Python | JavaScript | SQL | PowerShell | Node.js | LangChain | LoRA | PyTorch | TensorFlow

**Tools & DBs:** Terraform | CloudFormation | Kubernetes | Docker | Jenkins | Prometheus | Grafana | Linux | DynamoDB

**Security:** CrowdStrike | Rapid7 | IBM QRadar | Splunk | SonarQube | Trivy | Wireshark | Burp Suite | ServiceNow

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## PROJECTS

**Security AI Agent for Vulnerability Assessment**

Norfolk, VA | Sept 2025 - Oct 2025

- Fine-tuned a compact LLM with LoRA to detect and classify code and IaC vulnerabilities, mapping to CVE/CVSS and generating precise remediation diffs. Built a RAG-backed agent that cites OWASP and validates fixes with Semgrep, Tfsec, and Checkov, improving detection F1 by 15 points and accelerating secure reviews.

**Netflix Clone Deployment on Kubernetes with DevSecOps Practices**

Norfolk, VA | Oct 2025 - Oct 2025

- Engineered a Netflix clone on Amazon EKS with a secure CI/CD pipeline using Jenkins, Docker, and GitHub. Integrated SonarQube, Trivy, and OWASP Dependency Check for scanning and automated deployments with Helm and ArgoCD. Configured Prometheus and Grafana for monitoring, delivering a secure DevOps workflow.
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## EDUCATION

**Old Dominion University** | *BS, Cybersecurity* | *Minor: Data Science* | *GPA:3.5*

Norfolk, VA | *Grad. May 2026*

- **Knowledge:** Threat Intelligence, Incident Response, Generative AI, Agentic Workflows, Machine Learning, Static Code Analysis, Azure, Cloud Security, RESTful APIs, Malware Analysis, Penetration Testing, SDLC, Data Analytics, Vulnerability Management, Cryptography, Governance, Risk, and Compliance.
- **Relevant Coursework:** Generative AI in Cybersecurity, AI intelligence methods & models, Business Analytics, Ethical Hacking & Pen Testing, Cyber Risk FedRAMP/Audit, Linux System for Cybersecurity.

**CTFs:** UCCS Mountain West Cyber Challenge, CyberFusion, CyberForge, AWS Jam (Placed Top 3).