

Harshith Motipalli

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EDUCATION

George Mason University

Fairfax, VA

Graduation Date: May 2028

Bachelor of Science in Cybersecurity Engineering, Minor in IT

- Relevant Coursework: Operating Systems and Lab, Differential Equations, Analytic Geometry and Calculus III, Computer Networking, Secure RF Communications, Critical Infrastructure Protection
- Leadership: Founder, President, and Client Outreach at App Dev Club; Lead Cloud Engineer and Lead Network Engineer at Computer Science Club's HackFAX

SKILLS

- **Languages:** Python, C, PowerShell, Bash, Java, SQL, MATLAB, R, HTML, CSS, React, JavaScript, VS Code, Github
- **Certifications:** CompTIA A+, Security+, Network+, CIOS, CSIS | Cisco Certified Networking Associate (CCNA) | Anthropic AI Fluency: Frameworks & Foundations, Claude Code In Action, Intro to MCP, MCP: Advanced Topics
- **Computer:** Network Security, Security Architecture, Incident Response, Threat Response, AI Agents, Machine Learning, Prompt Engineering, AWS, Azure, Containers, IAM, Realtime AI Systems
- **General:** Technical, Creativity, Critical Thinking, Teamwork, Innovation, Problem Solving, Communication, Coaching

WORK EXPERIENCE

Presidio

Reston, VA

June 2026 - August 2026

AI Engineering Intern

- Engineering multi-agent AI workflows with Azure AI Foundry and Python to automate SOW approvals, CPQ processes, enterprise data retrieval, and autonomous decision-making.
- Developing Dockerized data extraction and monitoring tools with Playwright and Next.js, improving retrieval by 315%.

George Mason University

Fairfax, VA

September 2025 - January 2026

Undergraduate Research Assistant

- Engineering drone software with Python and OpenAI APIs for grid layout and realtime use of flight and sensor data.
- Developing advanced navigation and precision marking algorithms with sensor fusion and data analysis, consistently achieving positional accuracy across various challenging terrains.

South Asian Business Council of Virginia

Ashburn, VA

June 2025 - August 2025

Software Development Internship

- Collaborated in an agile, cross-functional development environment to design, develop, and deploy Android applications from concept to production release.
- Developed intuitive frontend and backend user interfaces using Kotlin, Python, and REST APIs, leveraging modern Android development tools and frameworks.

George Mason University HackFAX

Fairfax, VA

October 2024 - April 2025

Lead Cloud Engineer

- Designed Azure-based, API-driven HackFAX CTF challenges involving containers, IAM, and RBAC, emphasizing real-world misconfigurations and least-privilege access.
- Deployed multi-tier cloud lab environments and scripted safe, repeatable challenges for multiple HackFAX cohorts.
- Documented challenges and solutions to communicate core cloud security, IAM, container, and access control concepts.

PROJECTS

Xait Final Solution | Multi-Agent Workflows, Azure AI Foundry, YAML, Terraform

2026

- Architected a centralized multi-agent AI system with Azure AI Foundry to orchestrate document retrieval, SOW extraction, approval routing, and Microsoft Teams interactions, integrating autonomous agents with a Next.js dashboard for real-time execution tracing and workflow analytics.

SOC Alert Triage and Incident Response | Wazuh SIEM and XDR, Sysmon, PowerShell, Widows Logs

2026

- Built an isolated Security Operations Center lab using Wazuh SIEM/XDR, Sysmon, Windows 11, and TheHive to simulate adversary behaviors, investigate endpoint alerts, and perform evidence-based incident triage and response.

Phishing Email Investigation and Incident Documentation | TheHive, REMnux, SHA 256 Hashing

2026

- Conducted an end-to-end phishing investigation using Wazuh, REMnux, and TheHive to analyze email headers, spoofing indicators, malicious URLs and attachments, extract IOCs, and document evidence-based response findings.

RESEARCH

Adaptive Drone Navigation and Grid Optimization via LLMs | Python, C#, JavaScript, MATLAB

2025

- Currently conducting undergraduate research developing autonomous drone navigation software that applies machine learning with LLMs and multi-sensor fusion to optimize grid coverage, real-time flight paths, and high-precision marking across complex environments on embedded robotics systems.