

MANAV MALIK

(440) 382 - 7353 ◊ manavmalik36@gmail.com ◊ github.com/0xmmalik ◊ 0xmmalik.github.io

Results-driven computer science student eager to apply technical expertise and problem-solving to excel in a security co-op.

TECHNICAL SKILLS

Tools	Splunk, CrowdStrike, MS Defender for Identity, Azure/Entra ID, SIEM & SOAR, Z3, Power BI
Domains	Threat Detection, Incident Response, Identity & Access Management (IAM), Cloud Security
Programming	Python, Bash, PowerShell, Java, C, R
Other	Penetration Testing, Cryptography, Security Automation, Data Analysis

EDUCATION

Rochester Institute of Technology

Aug. 2023 - May 2027

Bachelor's of Science/Master's of Science, Computer Science; Bachelor's of Science, Computational Mathematics

- RITSEC (RIT cybersecurity organization), Team Contagion (team captain, RIT professional CTF team), RIT Philharmonic Orchestra (1st violinist, associate concertmaster), RIT Chamber Orchestra (principal 2nd violinist)
- GPA: 3.85; Awards: Dean's List (all terms), Performing Arts Scholar

RELEVANT EXPERIENCE

FM (formerly FM Global)

Remote

Cyber Threat Detection & Response

Jan. 2025 - Present

- Investigated and responded to 110+ security alerts per month using SIEM tools like Splunk and CrowdStrike, analyzing event logs and correlating threat intelligence to detect potential incidents.
- Conducted triage and analysis of security incidents across 130+ detection rules, identifying malicious activity such as unauthorized access attempts and suspicious lateral movement.
- Developed and refined runbooks for threat investigations, standardizing response procedures for alerts related to endpoint security, identity management, and cloud-based threats.
- Assisted in tuning detection rules to reduce FPs, improve alert fidelity, and enhance visibility into security incidents within Microsoft Defender for Identity and Azure security monitoring tools.
- Gained hands-on experience with IAM, analyzing user behavior and investigating anomalies in authentication logs.
- Collaborated with security teams and key stakeholders in daily standups, providing updates on emerging threats, detection rule enhancements, and security control optimizations.

NuHarbor Security

Colchester, VT

Cybersecurity Intern

Jun. 2024 - Jul. 2024

- Developed novel 12-month security analyst onboarding program and established monthly milestones; designed and implemented new mentorship programs and shadowing systems for new hires.
- Collaborated with a team of 9 using Agile methodology and week-long sprints. Served as Scrum Master.
- Created technical training pathways and resources for onboarding, including Splunk, CrowdStrike, and Sentinel trainings.
- Completed trainings for Splunk Core User and Pluralsight courses for threat intelligence and AI for IT ops.
- Researched use of AI in pentesting using automated feedback loops and generating aggregate attack vectors.

Cleveland Clinic, BioRobotics Core

Cleveland, OH

Research Engineer Intern

Summer 2022, Summer 2023

- Collaborated with core leadership/lab members and international partners to work towards multiple projects.
- Harnessed finite element analysis and FEBio to create models of knee joints used in virtual testing with our product, simVitro.

PERSONAL PROJECTS

ShikshaDaan Website

Volunteered to design and develop a website for a local nonprofit, facilitating their successful transition to a virtual platform in response to the COVID-19 pandemic.

Cornucopia

Created, researched, and authored a paper on Cornucopia, an automated Python source code reverse engineering tool, showcasing its role in streamlining capture-the-flag challenges.

CTF Competition Organizing

Served as a lead/organizer and challenge author for MHSCTFs 2022-23 (sole organizer and challenge author), RITSEC CTFs 2024-25, ISTS CTFs 2024-25.