MANAV MALIK

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Results-driven computer science student eager to apply technical expertise, creative problem-solving, and a strong foundation to excel in a software or security co-op role.

TECHNICAL SKILLS

Tools	Python, Java, C, LaTeX, HTML/CSS/JS, PHP, ASP/.NET, OpenCV, Z3, JQuery
Domains	Cryptography, Software Development, Threat Intelligence, Reverse Engineering, Networking

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: 3.97; Awards: Dean's List (F23, S24), Performing Arts Scholar

RELEVANT EXPERIENCE

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 processes including trainings for Splunk, CrowdStrike, Sentinel, etc.

- Completed trainings for Splunk Core User and Pluralsight courses for threat intelligence and AI for IT ops.

- Researched uses of artificial intelligence in penetration testing and red teaming using automated feedback loops and the generation of aggregate attack vectors.

Cleveland Clinic, BioRobotics Core   *Cleveland, OH*
Project Intern   Jun. 2022 - Aug. 2022, Jun. 2023 - Aug. 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 various knee joints to be using in virtual joint testing with our lab's product, simVitro.

COMPETITIONS AND COMMUNITY SERVICE

Cybersecurity Competitions

RITSEC CTF 2024 (author); RIT ISTS Competition 2024 (Black Team, CTF organizer); RIT IRSeC 2023 (4th place); RIT WiCyS CTF 2023 (author); MHSCTF 2022, 2023 (sole event organizer, 2300+ global participants); SFISSA HTF 2021 (1st place); picoCTF 2021 (94th percentile); HSCTF 2020 (94th percentile)

Fairport Harbor Senior Center Volunteering   *2017 - Present*

Initiated a program to empower senior citizens to navigate and adapt to the rapidly evolving landscape of modern technology. Deliver one-on-one guidance and support to enhance digital literacy and technology proficiency.

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.