MANAV MALIK

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WHO AM I?

Motivated computer science student specializing in cybersecurity, reverse engineering, and vulnerability analysis. Proficient in Python, Java, and C, with a track record of solving complex security challenges through competition and hands-on projects. Eager to contribute technical skills, innovative thinking, and a strong cybersecurity focus to an internship role.

EDUCATION

Mentor High School — Aug. 2019 - Jun. 2023
Summa Cum Laude

· Concertmaster, Mannheim Chamber Orchestra; President/Founder, Computer Science Club; Senior Member, Science Olympiad; High-Scoring Member, Math League; Member, National Honors Society

Rochester Institute of Technology — Aug. 2023 - Jun. 2027 (exp.)
B.S./M.S. Computer Science, 3rd year by credit

· Member, Computer Science House; Member, RITSEC Team; Member, Computing Organization for Multicultural Students; Member, Wadaiko (Japanese Taiko Club); First Violinist, RIT Philharmonic Orchestra

TECHNICAL SKILLS

Languages & Tools	Python, Java, C, LaTeX, HTML/CSS/JS, PHP, ASP/.NET, OpenCV, Z3, JQuery
Interests	Cryptography, Software Development, Cybersecurity, CTFs
Other	Communication & Teamwork, Creative Problem-Solving

COMMUNITY PARTICIPATION (COMPETITIONS/SERVICE)

Competitive Programming Competitions

Hathaway Brown BYTE Competition 2021, 2022, 2023 (1st place); Baldwin Wallace Competition 2023 (2nd place)

Cyberdefense Competitions

Incident Response Security Competition 2023 (4th place)

CTF Competitions

MHSCTF 2022, MHSCTF 2023 (sole event organizer, 2300+ global participants); SFISSA HTF 2021 (1st place); picoCTF 2021 (94th percentile); HSCTF 2020 (94th percentile); picoCTF 2019 (95th 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.

Mentor Science Olympiad Event Coach — 2019-2023
Responsible for curriculum planning, instruction, and exam writing/administration at weekend competitions.

Cleveland Clinic, BioRobotics Core (Project Intern) — Summer 2022, Summer 2023
Collaborated with fellow interns and core leadership to actively contribute to diverse global projects in biomechanical testing of biological structures and biomaterials.

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 Suite
Designed and engineered a Python-based suite of tools for capture-the-flag cybersecurity challenges, including tools for cryptanalysis, cipher brute-forcing, and data forensics.