

Michael Ramsamooj

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EDUCATION

University of Florida, Gainesville, FL

Expected August 2026

Bachelor of Science in Computer Science / Dean's List / Honors Program / GPA: 3.56/4.0

- Relevant Coursework: Adversarial Cyber Tradecraft, Malware Reverse Engineering, Operating Systems, Computer Network Fundamentals, Computer Organization, and Data Structures and Algorithms

EXPERIENCE

Dun & Bradstreet | *Cyber Security Intern – Detection Engineering*

Expected June 2025 – August 2025

- Will work alongside members of the Cyber Security team, specifically for Detection Engineering
- Intend to work 40 hours a week for 10 weeks and utilize my knowledge from UF to support D&B

UF Student Infosec Team | *Blue Team Competitor*

August 2024 – Present

- Competed in NCAE Cyber Games 2025, specializing as the CTF Lead, capturing 20/26 flags individually, and placing 2nd out of 12 teams overall in Southeast Regionals.
- Competed in CyberForce 2024, specializing in documentation, intrusion detection, and C-Suite presentation
- Working on weekly labs that focus on remediation and vulnerability discovery, including AD and Kerberos
- Utilizing tooling such as nmap, Wazuh, Bloodhound, Metasploit, Splunk, and custom-developed tools

UF Student Infosec Team | *Capture the Flag (CTF) Competitor and Captain*

August 2023 – Present

- Competing as part of the team in over 25 CTFs with reverse engineering, binary exploitation, web, forensics, OSINT, and cryptography, leveraging tools like Ghidra, pwndbg, Volatility, Wireshark, and Burp Suite
- Contributed to SwampCTF 2024 by writing challenges, monitoring the CTFd site, and uploading challenges
- Elected as Captain (Competition and Development Officer) in April 2025, seeking to increase participation and overall ranking by competing in more CTFs and providing mentoring and guidance for members

PROJECTS

Comparing Sorting Efficiency for Large Datasets | *Python, Pygame, Git*

December 2024

- Co-developed a program that compares the time complexity of sorting algorithms for datasets containing greater than 1 million entries
- Committed several algorithms, test cases, and GUI improvements utilizing Git and GitHub for version control, alongside Python and Pygame for the algorithms and visualization, respectively

Malware Testing | *VMware, Windows, Remnux, YARA, Python*

October 2018 – Present

- Run local virtual machines/sandbox environments and test with publicly available malware samples (NDG and Proxmox environments for Malware Reverse Engineering & Adversarial Cyber Tradecraft at UF)
- Examine effects with tools such as Process Monitor, Autoruns, and Regshot for Windows, alongside using decompilers such as Binary Ninja and IDA, and debuggers like x32dbg and WinDbg to inspect program flow

SKILLS

Software & Platforms: Microsoft Office, Google Workspace, Visual Studio Code, Visual Studio, CLion, GDB (w/ GEF), Linux (Ubuntu, Kali, Debian, openSUSE, et al.), Windows (Home/Server), macOS, AWS, GCP

Technical Languages: Python, C/C++, SQL, JS, HTML, CSS, Bash, x86-64 Assembly, ARM Assembly