

DAMANJIT SINGH

Damansingh135@yahoo.com | (631)-522-3915 | <https://github.com/damansingh27>

EDUCATION

Marist University, Poughkeepsie, NY

Expected Graduation May 2027

Bachelor of Science in Computer Science, Concentrating in Software Development,

Minoring in Information Technology, Information Systems, and Cybersecurity

Languages: Fluent in English, Proficient in Punjabi, Proficient in Hindi

RELEVANT EXPERIENCE

Malware Detection Research Intern, Marist University Joint Study, Poughkeepsie NY

October 2025-Present

- Researching and detecting macOS backdoor malware using machine learning and collecting logs to identify malicious patterns.
- Using a secure malware testing environment for safe data collection and execution
- Documenting results and data in a concise and effective manner for collaborators

IT Support Intern, Marist University, Poughkeepsie NY

October 2025-December 2025

- Diagnosed and resolved hardware and software issues across multiple Windows environments for desktops and laptops
- Utilized industry-standard tools MemTest and Ventoy to perform system troubleshooting and OS deployment
- Managed and organized hardware intake for repair workflows, supporting a queue of 30+ devices

Stem Instructor Intern, Lavner Education, Garden City NY

June 2025-August 2025

- Troubleshooting over 100 company laptops, completing OS reinstallation, and software debugging.
- Delivering high level curricula for JavaScript, Python, HTML, and CSS in an efficient and timely manner
- Assisting in managing over 234 students while troubleshooting student programming projects

RELEVANT PROJECTS

Home-Lab Pen Testing and Resolution Environment

September 2025-Present

- Used Nmap, Nessus, and Wireshark on Virtualbox VMs to scan, exploit, and remediate critical vulnerabilities on Metasploitable
- Applied Defense-in-Depth principles such as service and network hardening to patch identified vulnerabilities.

6502 –class CPU Virtual Machine Development

September 2025-Present

- Built a 6502 emulator in Typescript capable of executing programs created within the instruction set, modeling hardware components via OOP classes
- Maintained the codebase via GitHub for version control and code review

Maple-A1, Github Code Submission Evaluator

January 2026-Present

- Contributed to a Python and Docker based automated grading pipeline that sandboxes and evaluates student code for professor review
- Built on a DevOps workflow; On track to be adopted by Marist University School of Computer Science and Mathematics

LEADERSHIP

Resident Assistant, Marist University, Poughkeepsie NY

February 2025-Present

- Communicated updates to the Resident Assistant Council and full ResLife staff, ensuring clarity, accuracy, and appropriate tone
- Planned and executed campus-wide events that promoted wellness, diversity, engagement, and community.

Sikh Student Association (President), Marist University

August 2025-Present

- Advising board members in the effective completion of their duties while communicating and coordinating with campus resources to put together campus wide events, optimizing student engagement.

Community Leaders Collective (Board Member), Marist University

August 2025-May 2026

- Coordinated with external partners and vendors to obtain essential scheduling and cost details for effective event planning.
- Worked collaboratively with a board of 12+ members to organize an event attended by over 100 participants