

Varija Mehta

vvm26@cornell.edu | (201) 989-5337 | New York City, New York | <https://www.linkedin.com/in/variya-mehta/>

EDUCATION

Cornell University, College of Computing & Information Science

Expected Graduation: December 2026

Major: *Computer Science* | Minor: *Data Science* | GPA: 3.7

Ithaca, NY

Relevant Coursework: Analysis of Algorithms, Database Systems, Discrete Structures, Functional Programming, Language and Information, Machine Learning, OOP and Data Structures

PROFESSIONAL EXPERIENCE

MassMutual

New York City, NY

Information Risk Consultant

August 2024 - May 2025

- Designed Python-based analytics pipeline, leveraging machine learning to analyze **EC2** node data and identifying **fraud** trends
- Developed automated vulnerability risk calculator on **ServiceNow**, increasing efficiency by **90%**

Cyber Advisory Services Intern

May 2024 - August 2024

- Secured enterprise infrastructure by identifying and remediating 20,000+ vulnerabilities using **Qualys** and **Wiz**
- Advised 4 startups on enhancing their vulnerability management tools, providing tailored integration insights
- Delivered 10+ Center for Internet Security (CIS) compliance reports for **MacOS 14** and **Apache** baselines

Cornell Mars Rover

Ithaca, NY

Electrical Team

October 2023 - May 2025

- Designed essential **PCBs** for rover functionality using **Eagle**, ensuring precision in circuitry for rover operations
- Developed a Servo Board coordinating control of 12 servos tasked with functions from navigation to testing soil samples

Bloomberg L.P.

New York City, NY

Software Development Mentee

September 2022 - May 2023

- Engineered an app connecting charities with local volunteers, employing **XCode** to build scalable, high-performance **iOS** features
- Crafted interactive wireframes in **Figma**, translating complex **UI/UX** designs into reusable components
- Enhanced front-end responsiveness and optimized **back-end API** calls, achieving a **30%** improvement in app load times

PROJECTS

FinSights: Investment Recommendation App

- Built backend recommendation engine using **TF-IDF**, **cosine similarity**, and **SVD** to match users queries with stock profiles
- Engineered dynamic allocation algorithm and applied Rocchio relevance feedback to personalize recommendations
- Incorporated social sentiment via beta-based volatility statistics scraped from external **APIs** to reflect community perspectives

Interactive Image Selection Tool

- Generated a smart snipping tool device that uses **Dijkstra's** algorithm to locate subsequent points in an object's trace
- Integrated functionalities such as image transformation, region selection, and real-time updates to enhance user interaction

POOF Pothole Filling Robot

- Designed robot to autonomously repair road damage, programming **VEX** sensors with **C++** ;
- Filled potholes using cold patch mixture, successfully testing robot's application precision on real-world surfaces
- Earned **Procter & Gamble Technical Excellence Award** for project's innovative contribution to local infrastructure solutions

LEADERSHIP & EXTRACURRICULAR EXPERIENCE

Women in Computing at Cornell (WICC)

Ithaca, NY

Social Co-Director

September 2024 - Present

- Organized **5+** events for **200+** CS students, fostering an inclusive community supporting women and gender minorities
- Developed initiatives to connect students with campus leaders and industry professionals, amplifying impact

SKILLS & INTERESTS

Languages: Java, Python, C++, JavaScript / TypeScript, HTML / CSS, SQL

Tools and Frameworks: Adobe Photoshop, Canva, Figma, GitHub, Google Suite, Jira, Linux, Qualys, Wiz

Certifications: GIAC Foundational Cybersecurity Technologies (GFACT), Bloomberg Market Concepts

Activities: Cornell Sitara, Cornell Mars Rover, Women in Computing @ Cornell