

# Maya Rivera

Computer Science Student | AI & Cybersecurity Enthusiast

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## Education

B.S. Computer Science — York College, Expected May 2026

Relevant Coursework: Data Structures, Operating Systems, Cryptography, Machine Learning

## Experience

Student Researcher — Sentinel Security Lab

- Conducted threat modeling for IoT prototypes, implemented mitigations, and verification tests.

Research Assistant — OpenField Data Studio

- Built scripts for data labeling and baseline model training; contributed to poster preparation.

## Projects

IoT Anomaly Detection

- Built a TinyML pipeline on Raspberry Pi, achieving 87% test accuracy.

Threat Modeling Lab

- Led a 3-person team to map attack surfaces for a smart camera prototype and implemented mitigations.

Network Intrusion Baselines

- Automated pipeline for 200k+ netflow records and presented poster at campus symposium.

## Skills

Python, Machine Learning, Cybersecurity Basics, TinyML, Git, Docker