

# Blen Begashaw

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## EDUCATION

Marymount University

Arlington, VA

Major: Computer Science|Honors

May 2025

**Relevant Coursework:** Software Engineering, Cybersecurity Principles, Computer Networking, Java & Python Programming, Software Testing, Corporate Cybersecurity & Data Structures and Algorithm

## TECHNICAL SKILLS

**Languages:** Python, Java, R, SQL, HTML/CSS, JavaScript, PHP

**Security:** OWASP Top 10, AES/RSA Encryption, Secure Coding Practices, Threat Modeling, RBAC, Wireshark, Nmap, Kali Linux, Splunk, Nagios

**Skills:** Threat Detection, Secure API Development, Anomaly Detection,UAT, Automation, Large-scale Data Analysis

## EXPERIENCE

**Audacy**

Sep 2024-Dec 2024

*Software Engineer Intern*

- Building **RESTful APIs** for 10+ stations, encrypting data to increase real-time synchronization and broadcast reliability by 20%.
- Built a **secure, encrypted Python-based** scheduling site and conducted **code reviews** to prevent vulnerabilities, cutting manual workload by 50%.

**Cisco Meraki**

May 2024– Aug 2024

*Network Engineer Intern*

- Engineered a **Flask bot with NLP** for secure case matching, improving resolution efficiency by 35% and **detecting anomalies**.
- Investigated 10+ weekly security incidents, effectively **mitigating XSS, insecure APIs, and firewall misconfigurations**.
- **Automated** proactive network monitoring with **Meraki APIs**, significantly increasing performance analysis accuracy by 40%.

**Catholic Diocese of Arlington**

June 2023 – May 2024

*Application Service Intern*

- Programmed a registration portal for 90 parishes with **Python** encrypted authentication and **OWASP Top 10** protections.
- Managed 7 projects focused on **secure documentation**, reducing completion time by 25% through workflows.
- Enhanced iMIS database security with **AES encryption and RBAC**, reducing data breach risks by 30% and ensuring compliance.

**902 Youth**

May 2023 – August 2023

*IT Solutions Consultant*

- **Hunted for threats using internal system logs and OSINT tools**, identifying vulnerabilities and implementing enforcement strategies to mitigate harm.
- Secured company website by **fixing 15+ vulnerabilities detected with Nmap and Nikto**, reducing threat exposure by 40%.

**Marymount University**

Aug 2022 – January 2023

*Cyber Researcher*

- Leveraged Tableau to analyze 200+ **data breaches, uncovering vulnerabilities** and presenting findings to enhance cybersecurity.
- Delivered comprehensive presentations on cybersecurity findings to 150 attendees making actionable improvements.

## PROJECTS

**SentiShelter| HackTechnica Winner| gensim,spaCy,pandas,nlkt,langflow,Python**

- Designed a **machine learning**-based solution, and implemented key features using **Python** and **Spacy** enabling accurate topic modeling and **sentiment analysis** for enhanced user insights

**IoMT Security Anomaly Detection Framework| Python, streamlit, Random Forest, SVM, spaCy**

- Developed an **IoT security framework** with Streamlit, using network log data from IoMT devices exposed to various cyberattacks; achieved 90% **anomaly detection** accuracy with SVM and Random Forest.

**MedLingua| Integrated dml, Lantern, Python, Sveltekit, Typescript**

- Engineered a web app using **Python** and **Sveltekit**, translating clinical notes to everyday language with **99%** accuracy, and presenting insights via customizable, interactive graphs.

## Leadership/Activities

**MU Cyber Club**

*CTF Competitor*

**Aug 2022 – May 2025**

**MU Residence Life**

*Resident Assistant*

**Aug 2022 – May 2025**

**Virginia Honors Council**

*Vice President*

**April 2023 – April 2024**

**MU Student Government Association**

*Secretary*

**Sep 2021 – May 2023**