Blen Begashaw

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EDUCATION

Marymount University	**Arlington, VA**
Major: Computer Science|Honors|GPA=3.86	**Expected: May 2025**

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

Organizations: RTC, ColorStack, SWE,Wicys,NRF Foundation

TECHNICAL SKILLS

Languages/ Tools: Python, Java, R, HTML/CSS, FJavaScript, SQL, Flask, Intellij, MySQL, Linux, Django, Heroku, Wireshark, Tableau, PowerBI,Nmap, Splunk,Nagios,Postman API, Nmap,Kali Linux

EXPERIENCE

Audacy   Sep 2024 – Present
Software Engineer Intern
- Building **RESTful APIs** for **10+** stations, encrypting data to increase real-time synchronization and broadcast reliability by **20%**.
- Developed a **Python** website with secure data handling for scheduling, reducing manual work by **50%** and boosting security.

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.
- Debugged security issues weekly, resolving **50** cases and maintaining a **98%** customer satisfaction rate by enhancing security.
- Automated network monitoring with **Meraki APIs,** increasing performance analysis accuracy by **40%** and reducing manual checks.

Catholic Diocese of Arlington   June 2023 – May 2024
Application Service Intern
- Programmed a registration portal for **90** parishes with Python, using encryption to streamline registration and improve accuracy.
- 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 – Aug 2023
IT Solutions Consultant
- Redesigned app features with secure Android tools, enhancing **UX/UI** and increasing user engagement by **10%**.
- Implemented solutions for software and security challenges, achieving **99.7%** uptime and reducing system downtime by addressing vulnerabilities.

Marymount University   Aug 2022 – December 2022
Cyber Research Assistant
- Leveraged Tableau to analyze **200+** data breaches, uncovering vulnerabilities and presenting findings to enhance cybersecurity.
- Delivered comprehensive presentations on cybersecurity findings to **150** attendees, leading to new security measures across IT.

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

IoT Security Anomaly Detection Framework| *Python, Wireshark, Snort, Flask, Linux*
- Built an IoT security framework with Snort, detecting **5** network anomalies with **90%** accuracy and visualized the alerts.

Leadership/Activities

MU Cyber Club	CTF *Competitor*	**Aug 2022 – Present**
MU Residence Life	*Resident Assistant*	**Aug 2022 – Present**
Virginia Honors Council	*Vice President*	**April 2023 – April 2024**
MU Student Government Association	*Secretary*	**Sep 2021 – May 2023**