

# Mcanthony Otuonye

## Cybersecurity Analyst

### Contact

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Newbridge, Kildare, Ireland

### Portfolio

<https://cybersecurity-portfolio-sable.vercel.app/>

### Education

2024 – 2025  
**Edge Hill University**  
**MSc | Computing**

Produced **cybersecurity reports** covering **ISO 27001, SIEM, DDoS Mitigation, and firewalls**.

Dissertation: **Lightweight IoT intrusion detection model** using XGBoost and IoT-23 dataset, achieving **>90% accuracy** with **minimal resources (<10MB, <10ms inference)**. Implemented **SHAP/LIME explainability** features and **compared performance with larger deep learning models**.

2018 – 2022  
**Dublin City University**  
**BSc | Biotechnology**

- Utilized 'R' for statistical data analysis
- Created an HPLC absorbance spectrum to

### Personal Summary

Final semester **MSc Computing** student and **CompTIA Security+ certified** professional with hands-on **experience in log analysis, security monitoring, and network security**. Experienced in developing **Python-based security tools** with working knowledge of **Splunk** for threat detection and analysis. My transition from the chemistry lab has enabled me to combine a strong analytical mindset with technical proficiency in cybersecurity.

**My portfolio** showcases several **practical cybersecurity implementations** such as a **Python/Scapy network firewall** with **signature detection** and **protocol-based threat mitigation**.

Currently developing **my thesis on real-time, explainable and lightweight intrusion detection for IoT devices**, while pursuing **Linux certification** to complement my **networking and Splunk fundamentals certifications** from LinkedIn Learning.

With **strong technical skills, an analytical mindset, problem-solving abilities, and excellent time management**, I contribute positively to any team.

### Experience

**JobFair | Lancaster** Dec 2024 - Present  
Part-time Developer

- Began working as a part-time developer during the final semester of my MSc Degree
- Building the front-end design using **Vue.js** and **Tailwind CSS**
- API integration and authentication with **FastAPI**
- Optimised front-end design for responsiveness, efficiency, and cross-browser compatibility.
- Developed reusable components to enhance development efficiency and maintain consistency.

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2016 – 2018

**Patrician Secondary School  
Irish Leaving Certificate**

**Achieved 487 points**

- Physics – H2
- Biology – H2
- Chemistry – H3
- French – H3
- English – H4
- Maths – H4
- Irish – O3

**Certifications**

*CompTIA*

- Security +

*LinkedIn Learning*

- Computer Networking Basics
- Cloud Computing : Core Concepts
- ISO27001 Compliance
- Splunk Fundamentals
- Linux by Canonical

**Other Key Skills**

- Excellent ability to collect and analyse significant portions of information with attention to detail and accuracy
- Able to perform data review, trending of data and interpretation with high level of detail
- Committed to continuous learning, always looking for ways to upskill and improve

**Merieux NutriSciences | Kildare**

Sep 2023 – Dec 2023

**QC Chemistry Analyst**

- Responsible for a range of analytical tests
- Maintained effective product organization to support an efficient testing process.
- Ensured timely reporting of test results within the specified deadline

**Pfizer | Dublin**

Oct 2023 - May 2023

**QC Chemistry Analyst**

- Conducted vaccine testing in a large-scale GMP manufacturing facility.
- Mentored in Pfizer's WALK program, providing disadvantaged individuals with valuable insights into daily operations.
- Oversaw the maintenance and upkeep of laboratory equipment using critical technical expertise and problem-solving abilities

**Holland and Barrett | Kildare**

Dec 2021– Oct 2022

**Sales Advisor**

- Provided in-depth product knowledge to customers on product queries
- Displayed excellent customer service through promoting a welcoming environment

**Technical skills**

**IT skills:**

- Cybersecurity: Python, ISO27001, Splunk, Linux, HIDS, TCP/IP, DNS, DHCP, HTTP, UDP, Firewalls
- Data Analysis: Python, Anaconda, Pandas, NumPy, Scikit-learn, Glob, Matplotlib, Machine Learning
- Development: Vue.js, Next.js, Tailwind CSS, Git, Docker

**Soft Skills:**

- Exceptional oral and written skills
- Exceptional presentation skills developed from university study
- Strong organisational and time management skills developed through balancing university, part-time work, and extracurricular activities