

PATRICK FRIMPONG

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[Github Projects](#)

[View My LinkedIn](#)

EDUCATION

Networking and Cyber Security Engineering

UNIYART PRACTICAL INSTITUTE

SUMMARY

Highly motivated and results-driven professional with a solid foundation in networking and cyber security, seeking a challenging position in the field. Possessing one year of practical experience in network administration and security protocols, I am eager to further expand my knowledge and skills to contribute effectively to an organization's cybersecurity initiatives. I am also able to manage my own time effectively and experienced at working to tight deadlines and under considerable pressure in a challenging environment, and can make a real commercial impact as well as improve an employer's business performance. I am friendly and approachable with excellent interpersonal and customer relations skills.

CERTIFICATIONS

CompTIA Security+ (Expected 12/25)

Google Cybersecurity Professional Certification

Forage Certificate of completion from TATA(cyber security Analyst Job Simulation)

Matocard Cyber Security job simulation from Forage

LetsDefend Certificates

Certified Practical IT Professional

Certificate of Competency

Certificate of Internship completion (Prodigy Infotech)

PROJECTS

Project: Splunk SIEM Log Analysis

Source: [Github-link](#)

Platforms and Technology Used: Virtual Box Machines, Splunk (SIEM), Log Analytics, Chrome, Search Processing Language(SPL), Splunk Cloud

Overview: This project helped me gain hands-on experience in log analysis, security monitoring, and SIEM tools.

Project: PRODIGY_CS_01 (Python program to encrypt and decrypt messages using the Caesar Cipher algorithm.)

Source: [Github-Link](#)

Platform used: Vs Code, Python

Overview: The goal of this task was to implement a basic Caesar Cipher in Python — a type of substitution cipher where each letter in the plaintext is shifted a certain number of places down or up the alphabet.

Project: PRODIGY_CS_02 (A straightforward image encryption tool utilizing pixel manipulation. It enables users to perform operations such as swapping pixel values or applying basic mathematical operations on each pixel. The tool allows users to easily encrypt and decrypt images.)

Source: [Github-link](#)

Platform used: Vs Code, Python, Terminal, NumPY, Pillow

Overview: Built a basic image encryption tool using pixel manipulation techniques. Implemented features to encrypt and decrypt images by swapping pixel values and applying simple mathematical operations.

EXPERIENCE

Company: Prodigy Info Tech (India-Remote)

1/04/2025-1/005/2025

Title: Cyber Security Analyst (Internship)

- **Developed a Password Strength Checker Tool** using Python to assess password robustness based on length, character diversity (uppercase, lowercase, digits, symbols), and overall entropy. Provided actionable feedback to users to enhance password security.
- **Studied and implemented basic cybersecurity principles** such as authentication, encryption, and access control mechanisms.
- **Conducted vulnerability research and explored common attack vectors**, increasing understanding of threat landscapes and mitigation strategies.
- **Participated in guided project work**, applying theoretical cybersecurity knowledge to real-world scenarios.
- **Practiced secure coding principles** and gained exposure to Python's role in automating security tasks.
- Strengthened knowledge in **network security, ethical hacking basics, and incident response procedures** through hands-on learning modules.

Company: CodeAlpha(Intership)

Title: Cyber Security Analyst

1/05/2025-1/06/2025

- **Built a basic Python-based network sniffer** to monitor and analyze network traffic, gaining practical experience in packet inspection and understanding network protocols.
- **Developed a phishing awareness training presentation** to educate users on recognizing and preventing phishing attacks, incorporating real-world examples, red flags, and best practices.
- **Conducted a secure coding review** of a selected application by identifying potential vulnerabilities (e.g., input validation, hardcoded credentials), recommending best practices, and using static code analysis tools for assessment.
- **Created a personal portfolio website** using HTML, CSS, and JavaScript to showcase technical skills, cybersecurity projects, and resume — with attention to secure web development practices.
- **Developed a basic Network Intrusion Detection System (NIDS)** using tools like **Snort** or **Suricata**, configured detection rules, and set up alerts for suspicious traffic, including visualizing attack patterns.

Company: Warehouse agents

1/04/2022-1/12/2022

Title: Warehouse supervisor

- Documenting the daily activities of the warehouse, making sure operations are running smoothly
- Setting up and maintaining CCTV cameras and its operation for security.
- Improve warehouse processes to increase efficiency and reduce costs.
- **Generate daily, weekly, or monthly reports for management.**
- Ensure all safety protocols are followed, including proper handling of equipment and materials
- Work closely with logistics, procurement, and sales teams to coordinate shipments and deliveries.
- Monitor stock levels and ensure inventory is accurately recorded.
- Manage incoming (receiving) and outgoing (dispatching) goods.

Company: Frimpong Saw Manufacturing Limited- Kumasi

1/05/2018 – 1/3/2022

Title: Customer Service Representative/IT helpdesk

- Worked as help desk supervisor.
- Provided technical and troubleshooting assistance to clients and employees.
- Supervised help desk operations, ensuring prompt issues resolution.
- Explained products functionalities and IT service to customers.
- Assist in network setup, maintainance, and security measures

SKILLS AND TECHNOLOGIES

Microsoft Office Suite, Help Desk, Ticketing System, Azure, Network Security Groups, Firewalls, ACLs (Access Control Lists), Virtual Machines, Virtual Networks, Cloud Computing, Active Directory, File Permissions, Windows 10, SIEM, Sentinel, Splunk, Wireshark, Nmap,

Soft Skills:

Strong communication, teamwork, customer service, customer satisfaction, collaborating skills, Analytical thinking, problem solving, Troubleshooting.