Philip Akekudaga

41 North Lake Ave, Albany- NY-12203| (929) 685-9890 |akekulip@gmail.com|Linkedin | Kaggle |Github

Education

SUNY, University at Albany   New York, USA

Ms. Digital Forensics and Cybersecurity, Risk, Policy and Compliance.   **Expected 2026**

Relevant Course work: *Threat Intelligence, Prevention and Protection Strategies and Technologies in Cybersecurity, Information Security Audit, Advance Networking*

GPA: 3.78

Kwame Nkrumah University of Science and Technology   Kumasi, Ghana

BSc. Computer Engineering   **2014**

Technical and Soft Skills

Cybersecurity Frameworks & Policy: ISO 27001, HIPAA, NIST (SP 800-37,SP 800-53) , ICS Matrix, GDPR.

Networking: TCP/IP, DNS, OSI Model, Routing Protocols

Purple Team: dc3dd, RegRipper, Wazuh, MITRE Caldera

Vulnerability Management & Penetration Testing: Virtualbox, Kali Linux,Metasploit, Nmap, Nessus.

Malware Analysis and Threat Intel: Qualys- TruRisk, OSNIT, VirusTotal, Mitre Att&ck

Data Analysis and Programming: Microsoft Excel, SQL, Power BI, Redash, Python, Machine Learning.

Business Analyst: Requirement gathering, Process optimization, Process automation

CRM AND ERP: Jira, Mambu, Microsoft Dynamic NAV 365, Ebiz-Frame, SAP, Freshworks Suite

Soft Skills: Excellent Oral and written communication skills, detail oriented, initiative.

Relevant IT Project – Cybersecurity

FDNA Modelling for Power Grid Resilience and Risk Assessment.   **March 2025**

Research - Cyber Resilient Interdependent Systems and Infrastructure Solutions Lab (CRISIS)

- Developed a graph-based FDNA model to quantify cascading impacts of cyber and physical disruptions in power grids, optimizing resilience strategies and ROI-based investment decisions.

Economic Impact of Phishing Attacks on Small Businesses: A Risk Analysis Framework   **Dec 2024**

Research and Poster Presentation – Cyber Cascade Lab

- Developed a risk analysis framework and dashboard to quantify phishing-related financial losses for small businesses.

NIST SP 800-53 Framework, Fido Microcredit   **June 2024 – Aug 2024**

Framework implementation Lead

- Deployment of NIST 800-53 controls across systems to enhance security posture.
- Performed risk assessments, control mapping, and gap analysis to ensure compliance.

ISO/IEC 27001 Certification, Fido Microcredit   **Apr 2023 – Aug 2023**

Implementation Lead
- Led ISO 27001 certification, managing compliance, risk assessments, and security audits while developing policies to strengthen cybersecurity.

Relevant Experience

Research Foundation for SUNY – *Part Time*   Albany, New York
Senior Research Aide- UAlbany Innovation Center   **October 2024- Present**
- Mined and developed Machine learning models and analysis for establishing 11 Industry Affiliate Programs
- Researched into companies and individuals for collaboration with the center.
- Gathered requirement, data and ideas needed by industry to collaborate with students and academia
- Coordinated with stuff to organize events, identify talents and run the daily activities of the center.
- Designed the business process flows and policies for implementations of programs.

Fido Microcredit Limited - FINTECH   Accra, Ghana
Lead Business and Systems Analyst - IT   **Feb 2023 – Aug 2024**
- Led IT and business analyst teams, improving KPI achievement by 13% and streamlining operations through automation tools like Python and Zapier.
- Analyzed complex datasets and developed 30+ strategic reports, driving data-driven decisions and enhancing cybersecurity posture.
- Designed 10+ system requirements, led implementation projects, conducted security audits, and deployed VPNs and EDR solutions to protect 200+ endpoints.

Coca-Cola Beverages Africa- Voltic GH   Accra, Ghana
Business Analyst   **Jan 2022 – Feb 2023**
- Developed Power BI and Excel dashboards for sales and logistics, resulting in a data-driven decision-making and saving 120 man-hours per month by reducing report preparation time by 20%.
- Audited on 1000+ outlets, leading to a 17% improvement in compliance adherence and a 6% reduction in credit risk through enhanced forecasting and risk assessment.
- Analyzed business processes using tools such as CRM, SAP, and BPMN (Business Process Model and Notation), resulting in a 15% improvement in process efficiency and ensuring alignment with organizational goals

---

Certification and Training

- Certified Information Systems Security Professional (CISSP) - **Expected in May 2026**
- Black Hills Information Security SOC Training
- OSINT Fundamental
- MITRE ATT&CK Cyber Threat Intelligence
- RiskIQ Threat Intel/Hunting Workshop
- Security Blue Team Introduction to Threat Hunting

Affiliations

- National Society of Black Engineers (NSBE) – Collegiate Member
- ISACA – Student Membership