

OKAI NYARKO ISAAC

Okaiisaac57@gmail.com | 0549810134 | [GitHub](#)

PROFILE

Results-driven QA Engineer with hands-on experience in software testing, automation, and quality assurance. Holds a Bachelor of Science in Computer Engineering, with expertise in Python, AI prompt development, Django, Java and software engineering. Passionate about QA, leveraging technology to enhance security, efficiency, and reliability. Adaptable to new technologies and environments, with a strong commitment to continuous learning and professional growth in the QA, cybersecurity and software development fields. Skilled in bridging the gap between development, testing, and security best practices to ensure robust and high-quality software solutions.

EDUCATION BSc. Computer Engineering

September 2024

Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

W.A.S.S.C.E (General Science (I.T))
Senior High Technical School, Koforidua, Ghana

September 2017 – September 2020 Koforidua

WORK EXPERIENCE Intern, ECG Ghana, Avenor October 2023 – December 2023

- Provided technical support to employees, troubleshooting hardware and software issues in a timely manner.
- Managed and maintained computer systems, including installation, configuration, and updates.
- Assisted in the implementation of network infrastructure to promote fast distribution of company's data.

WORK EXPERIENCE QA Engineer (National Service Personnel) October 2024 – Current

- Performing manual and automated testing on fintech web and mobile applications.
- Writing and executing test cases based on system requirements and specifications.
- Reporting, tracking, and verifying bugs using tools such as Youtrack.
- Collaborating with developers to ensure issues are resolved and improvements are implemented.
- Participating in agile ceremonies, contributing to sprint planning and product quality.
- Conducting regression testing before product releases to ensure feature integrity.

ACHIEVEMENTS

Achieved the highest grade (A) in

2019/2020

Koforidua Senior High Technical

Information Technology in WASSCE, being
School the only student in my year group at Koforidua Senior High Technical
School to accomplish this.

PROJECTS/RESEARCH EXPERIENCE Developed a Secure and User-Friendly Utility Bill Payment App

- This project tackles the hassle of bill payments with a mobile application

An online study platform using Python

- As part of a team building an online study platform, I tackled the backend development using Python. This involved building functionalities like user authentication, data storage, and integrations for a seamless learning experience.

Driver Drowsiness Detection system

- In my final year project, I tackled a critical challenge – driver drowsiness detection. By utilizing Machine Learning, I developed a system that can potentially save lives by identifying signs of fatigue behind the wheel. This project not only demonstrates my expertise in AI and software development but also highlights my commitment to innovation and social impact.

PROFESSIONAL TRAINING

Intensive data science workshop

WAIMM KNUST

Practical training on counselling

KNUST Counselling Center

LEADERSHIP EXPERIENCE

- HRM for GUNSA (Ghana United Nations Students and Youth Association), 2019/2020: Managed HR activities, including recruitment and training.
- Special Aid for AFS (American Field Service), 2019/2020: Provided logistical and administrative support for exchange programs.
- I.T Guild President for PENSA (Pentecost Student and Associate) - KNUST, 2022/2023: Led technologyrelated events and workshops.
- Organizing Secretary for I.T Club (KSTS): Planned and organized events, meetings, and workshops.
- Assistant Secretary for PENSA (Pentecost Student and Associate) - KNUST, 2023/2024: Assisted in managing administrative tasks and coordinating meetings.
- Head of the S&S (Shepherds and Stewards) for PENSA (Pentecost Student and Associate) - KNUST, 2023/2024: Led a team of 75 leaders in organizing and executing service activities.

VOLUNTARY/EXTRA-CURRICULAR ACTIVITY

A.I Course Promoter (ALX, Ghana)

- Successfully reached over 1000 individuals, inviting them to participate in an A.I course to enhance their skills and knowledge.
- Developed and implemented marketing strategies to promote the A.I course, including social media campaigns and community outreach programs.

SKILLS AND ABILITIES

- Proficient in the use of computer software's like the Microsoft office Suit, Wireshark, Packet tracer, Matlab, Autodesk Fusion, Autodesk Eagle, Kathara and eNSP.
- Intimidate with the Linus operating system and Commands.
- Beginner – Java, JS, and Database tools such as MySql.
- Strong technical and problem-solving skills.

CERTIFICATIONS

- | | |
|---|---|
| • Python programming language | <u>Python Programming</u> |
| • C ++ programming language | <u>C++ Programming</u> |
| • ALX Software Engineering. | <u>ALX Software Engineering</u> |
| • AWS Academy Graduate - Introduction to cloud Semester 1 | <u>AWS Introduction to cloud Semester 1</u> |
| • AWS Academy Graduate - Cloud Foundations | <u>AWS Cloud Foundations</u> |
| • AWS Academy Graduate – Introduction to cloud Semester 2 | <u>Introduction to cloud Semester 2</u> |
| • AWS Academy Graduate – Cloud Security Foundations | <u>AWS Cloud Security Foundations</u> |
| • ShapeAI Introduction to cybersecurity | <u>Introduction to Cybersecurity</u> |
| • Cisco Network Support and Security | <u>Cisco Network Support and Security</u> |
| • Cisco Network Addressing and Basic Troubleshooting | <u>Addressing and Basic Troubleshooting</u> |
| • Cisco Networking Devices and initial Configuration | <u>Networking Devices and initial Configuration</u> |
| • Cisco Networking Basics | <u>Networking Basics</u> |