KWAKU AMO-KORANKYE

Artificial Intelligence | Software Engineering | Machine Learning | Python

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EDUCATION

Academic City University - Accra, Ghana   Jan. 2022 - June 2025
B.Sc. Artificial Intelligence   **First Class Honours**

ACADEMIC ACHIEVEMENTS

- Overall Best Computational Sciences Student for the Class of 2025   Academic City University, Ghana
- Dean's List - *2021-2022, 2023-2024, 2024-25 Academic Years*   Academic City University, Ghana
- ACity Tech Expo '23 - *First Runner Up*   Academic City University, Ghana
- Junior Sharks Quiz '19 - *First Runner Up*   DPS International, Ghana

TECHNICAL SKILLS

Programming Languages:	*Python, C, C++, MATLAB, R*
Technologies/Frameworks:	*NextJS, HTML, CSS, ReactJS, TypeScript, Tailwind, SQLite, Pandas, Pytorch, Flask*
Developer Tools:	*GitHub, Streamlit, Seaborn, Figma, Dataset Curation, Hugging Face, Supabase, BetterAuth, LLMs*
Relevant Coursework:	*Probability, Statistics, Machine Learning, Linear Algebra, CV, NLP, Data Structures, Deep Learning*

SOFT SKILLS

Leadership, Strong Communication Skills, Technical Simplification, Teamwork, Attention to Detail, Problem-Solving, Innovation, Adaptability, Time Management, Work Ethic, Creativity, Emotional Intelligence, Critical Thinking

WORK EXPERIENCE

Aya Data Ghana, Data Specialist Intern   Jun. 2024 - Sep. 2024, Accra, Ghana
Data Annotation and Computer Vision

- Contributed over 10 hours weekly to annotate picture-based datasets using bounding box, key point techniques, enhancing the accuracy of computer vision models while collaborating with the team to review and ensure high-quality annotations.

mNotify, AI Engineering Intern   Oct. 2023 - Feb. 2024, Accra, Ghana
Artificial Intelligence and Google API Integration

- Led AI and API integration projects, leveraging Google Cloud technologies to enhance platform functionality. Worked with Automatic Speech Recognition (ASR), Text-to-Speech (TTS), and Speech-to-Text (STT) systems. Developed the project as a strategic initiative during mNotify's Google for Startups cohort.

THESIS

AI-Based Diagnostics Platform Using MultiClass Classification   *completed May 2025*
Applying AI to Address Healthcare Delivery Disparities in Underserved Regions

- **Technologies Implemented:** Python, React, NextJS, OpenAI gpt-4o, Flask, Grad-CAM, ResNet, Torch
- **Description:** Uses a multi-classification deep learning model to detect brain tumors, breast cancer, bone fractures, and lung cancer from medical imaging. Integrates Grad-CAM Heatmaps for explainability, generates detailed medical reports, and features a multi-modal chatbot for interactive result interpretation and health-related queries.

EXTRA CURRICULARS

- Paybox Global, Campus Ambassador   2024-2025, Academic City
- Peer Career Advisor, Academic City Career Services   2023-2025, Academic City
- Co-Lead and AI/ML Lead for Google Student Developer Club   2023-2024, Academic City
- Lead Python Tutor, Ghana Code Club   2023-Present, Ashongman
- ACity Varsity Basketball Team Captain   2023-2025, Academic City
- ACity Robotics Club Tech Expo '23 Runner Up   2023, Academic City

VOLUNTEER WORK

Girls In ICT Initiative, Ministry of Communications and Digitalisation and ATC Ghana   2023, 2024, 2025, Accra, Ghana

- Mentored 100 girls from various regions on diverse STEM topics for three consecutive years, fostering inclusivity and empowerment in technology.

Launch of Sustainability and ARM Lab, Academic City College   2023, Academic City

- Volunteered for the launch of the first Sustainability and ARM Lab in Africa, promoting sustainable technology education and innovation.