

# EYRAM DELA KUWORNU

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## Professional Summary

Innovative and goal-oriented Computer Scientist with a strong foundation in computer vision, deep learning, image processing, and artificial intelligence. Proven record of delivering high-impact solutions in academic, industrial, and startup settings. Adept in applying machine learning to real-world vision challenges. Passionate about research, with strong programming, analytical, and leadership capabilities.

## Education

University of Mines and Technology, Tarkwa, Ghana

BSc. Computer Science and Engineering, Second Class Upper  
Aug 2019 – Sep 2023

Bishop Herman College, Kpando

WASSCE, General Science  
Nov 2016 – May 2019

## Research Interests

- Computer Vision
- Image Processing
- Deep Learning & Pattern Recognition
- Intelligent Visual Systems
- AI for Agriculture and Healthcare

## Selected Projects and Research Experience

- Developed a real-time RNN-based image processing model for Autism Spectrum Disorder diagnosis using Python and OpenCV.
- Designed and deployed a thermal imaging and object tracking surveillance system using OpenCV

- Built an Arduino-powered smart agriculture bird repellent using motion detection.
- Created a predictive AI model to anticipate telecom cable faults.
- Engineered a secure, PHP-based hybrid voting platform.
- Led a Cocoa Pod disease detection project using computer vision and annotated datasets.
- Built a multilingual OCR model for German medical records using deep learning.
- Developed SEO and lead analysis AI tools for website auditing and marketing.

## Professional Experience

AI Engineer | 4th-IR, Accra, Ghana | Apr 2023 – Present

- Developed GDPR-compliant AI agents and NLP transcription systems.
- Built OCR tools for multilingual medical record processing.
- Designed scalable software using FastAPI, Docker, and Postgres.

ML Engineer | Agenly AI, London, UK | Sep 2023 – Mar 2024

- Created multilingual AI agents using LLMs for customer support.

AI Engineer | Innogen, Accra, Ghana | Nov 2023 – Present

- Developed Retrieval-Augmented Generation (RAG) systems for AI model recommendations.

ML Engineer & Trainer | Trestle Academy Ghana | Feb 2022 – Present

- Trained over 40 interns in Python, AI, and ML and supervised capstone projects.

## Technical Skills

- Languages: Python, MATLAB, Java, C++, PHP, JavaScript, SQL
- Frameworks: OpenCV, Ultralytics, Streamlit, Roboflow
- Tools: Docker, FastAPI, Apache Spark, Git, LaTeX
- Others: Arduino, OCR/NLP (LangChain, RAG)

## Leadership & Mentorship

- AI/ML Lead – Google Developer Student Clubs, UMaT
- Mentor – ATU AI Club, PyLadies Tarkwa, TeensInAI Hackathons
- Internship Facilitator – Trestle Academy Ghana
- Vice President – ACEYE Alumni Network

## Awards & Recognitions

- Winner – Virtual Rig Simulator Design Competition, UMaT, 2023

- 2nd Place – FINTECH Hackathon, Trestle Foundation Ghana, 2022
- 1st Runner-up – Armyworm Detection Hackathon, UMaT, 2022
- ACEYE Scholar – Africa Centre for Entrepreneurship & Youth Empowerment, 2022
- Exceptional Mentor – UMaT Women in Engineering, 2023
- Best Alumni Mentor – Association of CS&E Students, 2024

## Certifications

- Cloud Architecture & Technologies
- Armyworm Infestation Detection with AI
- Workplace Productivity Training

## References

Available upon request.