

DZATA KWEKU EMMANUEL

Creative Technologist | Software Engineer | Data Analyst | Photographer

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PROFESSIONAL SUMMARY

Multidisciplinary Creative Technologist based in Accra, Ghana, with a proven track record of bridging technology, data, and visual storytelling. Combines self-taught expertise in AI/ML, data science, and full-stack software development with professional experience in corporate photography, STEM education, and content creation. Passionate about empowering communities through innovation, with hands-on contributions to robotics education initiatives and high-profile sporting events. Actively seeking opportunities in software engineering, data analysis, and AI/ML engineering — remote, hybrid, or on-site.

TECHNICAL SKILLS

Programming & Data

- ▶ Python (Pandas, NumPy, Matplotlib, Seaborn, Plotly)
- ▶ SQL (SELECT, JOINS, GROUP BY, aggregation)
- ▶ JavaScript, HTML5, CSS3

AI / ML & APIs

- ▶ Machine Learning (Scikit-learn)
- ▶ LLM integration (Ollama, OpenRouter)
- ▶ FastAPI for model deployment

Web & Mobile Development

- ▶ React Native & Expo (cross-platform mobile)
- ▶ Firebase & MongoDB (databases)
- ▶ Git & GitHub (version control)

Data Visualisation & Tools

- ▶ Power BI, Matplotlib, Plotly, Seaborn
- ▶ Jupyter Notebook, Excel
- ▶ Statistical Analysis & EDA

Photography & Media

- ▶ Corporate & event photography
- ▶ Editorial & fashion photography
- ▶ Adobe post-production & colour grading

Core Competencies

- ▶ End-to-end AI/ML project delivery
- ▶ STEM curriculum design & facilitation
- ▶ Brand building & digital content strategy

PROFESSIONAL EXPERIENCE

STEM Tutor & Content Creator *Jan 2024 – Present* SEEDAfrique

- ▶ Design and deliver engaging robotics lessons for young learners, fostering interest in STEM fields.

- ▶ Produce visual and digital content for brand engagement, including social media campaigns and educational materials.
- ▶ Mentor students in coding and problem-solving, contributing to a measurable increase in STEM participation.

Corporate Photographer2024 – Present

SEEDAfrica

- ▶ Document high-profile STEM events, workshops, and competitions with a focus on storytelling and technical depth.
- ▶ Manage end-to-end commercial photography projects including shoot planning, on-site capture, and post-production delivery.
- ▶ Produce polished visual content used across digital platforms and publications to promote STEM advocacy.

Corporate Photographer2024 – 2025

FireflyIO

- ▶ Captured and curated STEM-focused visual narratives for the organisation's communications and marketing channels.
- ▶ Managed commercial photography workflows from briefing through final post-production delivery.

Photography InternDec 2023 – Aug 2024

Kawa Memories

- ▶ Assisted senior photographers with professional lighting setup across studio and location shoots.
- ▶ Supported post-production workflows including image selection, colour correction, and retouching.
- ▶ Gained practical experience across portrait, event, and commercial photography genres.

KEY PROJECTS

Frenixx — Car Services Booking Mobile App | *React Native · Expo · Firebase*

- ▶ Cross-platform mobile application for booking car services, built with React Native and Expo.
- ▶ Integrated map-based service discovery and implemented platform-specific module stubs for web compatibility.
- ▶ Designed end-to-end booking, payment, and user profile flows.

Customer Behaviour Analysis | *Python · Pandas · Matplotlib · Seaborn*

- ▶ Full data analysis workflow: data import, cleaning, feature engineering, exploratory data analysis, rule-based customer segmentation, and business insight generation.
- ▶ Visualised customer cohorts using Matplotlib & Seaborn to support targeted marketing strategies.

RFM Customer Segmentation Analysis | *Python · Pandas*

- ▶ Python-based RFM (Recency, Frequency, Monetary) segmentation on customer sales data to identify high-value customer categories.
- ▶ Results applied to inform retention strategies and personalised marketing recommendations.

E-Commerce Sales Performance Analysis | *Python · Plotly · Pandas*

- ▶ Analysed 11 months of electronics store sales data to answer key business questions around revenue trends, top-performing products, and regional performance.

- Produced interactive visualisations using Plotly to communicate insights to non-technical stakeholders.

VOLUNTEERING & COMMUNITY INVOLVEMENT

Role & Organisation	Date / Detail
Volunteer Photographer — Ghana Robotics Competition (University of Ghana)	Aug 2024
Volunteer Photo Editor — Ghana Robotics Competition	Oct 2025
Volunteer Photographer — Ghana Code Club, Girls in ICT Day (ATC Accra)	Aug 2025
Volunteer Photographer — Coolest Project Ghana (1st & 2nd Editions)	STEM Showcase
Volunteer — Education Fair, Education USA	Sep 2025
Race Official — Tour Du Ghana 2025	Nov 2025
Race Official — Osagyefo Criterium	Sep 2025
Technical Official Assistant — 13th African Games Athletics (Accra)	Mar 2024
Technical Official Assistant — CAA Region II Senior Games Athletics	Jun 2024 & Aug 2025
Technical Official — CAA Senior Athletics Championship Accra 2026	May 2026
Technical Official — University Of Ghana Invitational Games	May 2026

PHOTOGRAPHY PORTFOLIO HIGHLIGHTS

Girls in ICT Day 2025 Documentary

SEEDAfrique — visual storytelling initiative capturing young women innovators in STEM

Ghana Robotics Competition 2025

Post-production photo editing highlighting innovation and energy of young tech creators

CAA Region II Championships

Sports photography documenting Ghana Athletics Association championships

Outdoor & Urban Fashion Shoots

Editorial-style shoots emphasising mood, natural light, and urban texture

Lifestyle Photography

Authentic lifestyle sessions focused on natural expression and storytelling

EDUCATION & SELF-DEVELOPMENT

Self-Directed Learning — AI/ML, Data Science & Software Engineering*Aug 2025 – 2026*

Online Tutorials, Courses & Project-Based Practice

- ▶ Acquired proficiency in Python data stack (Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn).
- ▶ Developed and deployed full-stack web applications and cross-platform mobile apps (React Native / Expo).
- ▶ Built and documented AI/ML projects covering data cleaning, EDA, statistical analysis, and model deployment via FastAPI.
- ▶ Integrated LLM tools and APIs (Ollama, OpenRouter) into applied projects.

ADDITIONAL INFORMATION

Location: Accra, Ghana — Open to Remote, Hybrid, and On-site opportunities

Interests: Cinematic content creation, visual storytelling, STEM advocacy, Athletics, Cycling

Photography Portfolio: kwekudzata.vercel.app/photography

GitHub: github.com/kwekudzata

References available upon request