

AKOSUA KWAKYEWAA ANTWI

Frontend Developer

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OBJECTIVE

A motivated and detail-oriented Frontend Developer with hands-on experience building responsive, user-friendly web applications. Currently pursuing studies at the Design and Technology Institute (DTI), I bring a strong foundation in modern web technologies and a passion for creating accessible digital solutions. I aim to contribute creative, performance-driven interfaces to a forward-thinking organisation while continuously growing as a developer.

EXPERIENCE

KUMORA — Smart Digital Campus Twin Platform | *Personal/Academic Project* | October 2025 – Present

- Led the system architecture for a multi-phase smart campus platform serving students, lecturers, and administrators, coordinating a team of developers and a project manager through all four phases.
- Designed the technical architecture for an interactive campus map (React.js and Leaflet.js), an AI Campus Assistant (OpenAI APIs), and a Campus Marketplace module.
- Produced architecture documentation, diagrams, and a presentation deck for a class review.

AgriTech Platform for Smallholder Farmers | *Personal Project* | October 2025 – Present

- Designed a mobile-first progressive web app (PWA) to connect small-scale Ghanaian farmers to markets.
- Implemented low-literacy UX features including emoji crop selectors, PIN login, and Twi/English voice assistant.
- Planned integration of mobile money APIs (MTN MoMo, Vodafone Cash) and USSD/WhatsApp access channels.
- Prototyped AI advisory features supporting local Ghanaian languages (Twi, Ewe, Ga, Dagbani) via Khaya AI.

EDUCATIONAL BACKGROUND

Design and Technology Institute (DTI) — Accra, Ghana

Programme in Information Technology / Digital Design | October 2025 – Present

TECHNICAL SKILLS

- Languages: HTML5, CSS3, JavaScript (ES6+)
- Version Control: Git & GitHub
- Design & Prototyping: Figma (UI/UX wireframing and prototyping)
- Responsive & Mobile-First Design
- Tools: VS Code, npm, browser DevTools

PERSONAL SKILLS & ATTRIBUTES

- Excellent communication and interpersonal skills — able to explain technical concepts clearly to non-technical stakeholders.

- Critical thinker with strong problem-solving abilities; comfortable tackling challenges using structured, analytical approaches.
- Highly dependable and committed to delivering consistent, quality results on time.
- Self-motivated learner who actively pursues continuous improvement through online courses, projects, and peer collaboration.
- Collaborative team player who thrives in cross-functional environments alongside designers, developers, and project managers.
- Adaptable and resilient — able to work effectively under pressure and pivot quickly when project requirements shift.

ACHIEVEMENTS

- Led the architectural design of KUMORA, coordinating a team of developers and a project manager through all four platform phases.
- Progressed two portfolio-level projects while still in school: an AgriTech platform (from concept to interactive prototype) and KUMORA (system architecture).
- Demonstrated skills in planning, organising, and presenting technical projects to academic evaluators.
- Consistently applied self-directed learning to master new frameworks and tools including React.js and Supabase.

INTERESTS & HOBBIES

- Skipping / Jump rope — maintains discipline, fitness, and focus.
- Exploring nature — supports creative thinking and a refreshed perspective when approaching complex problems.
- Listening to music — a source of inspiration and motivation; particularly enjoys Afrobeats and R&B genres.
- Web design & UI exploration — regularly browses design inspiration platforms such as webflow to sharpen aesthetic sensibility.

REFERENCES

Mr. Kingsley Akuoko Amoh

English Facilitator, Design and Technology Institute (DTI) | 0547252656

Mr. Jephther Essel

Website Developer | 0534658339

Mr. Derrick Afriyie

Website Developer | 0248888579