EMMANUEL ARMAH SAKYI

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Objective

Fullstack Web Developer with a strong focus on Frontend expertise in React, HTML, CSS, JavaScript, and Tailwind CSS. Skilled in building scalable, responsive user interfaces optimized for performance, with proven experience implementing user-facing features. Dedicated to delivering efficient, secure applications in fast-paced environments.

Education

KNUST, Kumasi   **2021 - 2024**
BSc., Computer Science

Experience

KNUST Institute of Distance Learning   **Oct 2024 - Present**
National Service Personnel - Web Developer
- Developed and implemented new user-facing features for the e-learning portals using React, HTML, CSS, and Tailwind CSS to enhance frontend performance and user experience.
- Resolved bugs and provided backend support to ensure seamless integration between front-end and back-end systems.

Juaboso District Assembly   **Sep 2023 - Dec 2023**
MIS Intern
- Contributed to MIS system development and conducted comprehensive system analysis to optimize functionality and efficiency.

Projects

IoT Fish Farm Monitoring App
- Built a web dashboard integrated with sensor data to monitor water quality in real time.
- Enabled farm operators to track conditions and make informed decisions through visualized statistics.

Contact Keeper App
- Developed a fullstack MERN app for users to manage personal contacts.
- Included JWT authentication, protected routes, and CRUD operations with React Context API and Node.js backend.

Local Service Marketplace
- A platform that connects customers with local service providers (plumbers, electricians, etc.).
- Features user role-based dashboards, authentication, and provider booking interface with MongoDB storage.

Tech Stack

- **Frontend**: React, Tailwind CSS, JavaScript, HTML, CSS
- **Backend**: Node.js, Express.js, MongoDB
- **Other Tools**: Git, Redux Toolkit, Postman, Materialize CSS
- **Learning**: AWS (Serverless), Machine Learning (Python, Pandas)

Volunteer Work

PeterHills Needy Foundation   **2021 - 2023**
Digital Literacy Volunteer
- Taught data and computer skills to underserved students around KNUST.

Languages

- English (Fluent)