

# SANKER MWINWIEME PROTUS

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## PROFILE

I'm Sanker Mwinwieme Protus, a Computer Science student with a strong passion for software engineering and front-end development. I specialize in building intuitive, responsive web interfaces using HTML5, CSS3, and JavaScript React.js, and I'm currently expanding my skills in modern frameworks like Express.js. I'm driven by the desire to build solutions that are both functional and impactful. My background in education has strengthened my communication and leadership abilities, enabling me to collaborate effectively and support others. I am constantly learning and exploring new technologies, with the long-term goal of becoming a versatile software engineer who uses technology to solve real-world problems and uplift communities.

## EDUCATION

BSc. Computer Science — Expected Sept 2027

Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana

W.A.S.S.C.E (General Science) — Sept 2019 – Sept 2022

Nandom Senior High School

## PROJECTS

Payflow Analytics Dashboard

(React, Node.js, Express, PostgreSQL, Chart.js, PL/pgSQL)

- Designed and built a full-stack SaaS subscription analytics platform to track Monthly Recurring Revenue (MRR), churn rate, and failed payments.
- Architected a normalized PostgreSQL schema to manage customers, subscriptions, invoices, and payment states.
- Implemented PL/pgSQL stored procedures to perform complex revenue aggregation and churn calculations at the database level for performance optimization.
- Developed RESTful API endpoints using Express.js to expose analytics data securely to the frontend.
- Built an interactive React dashboard with dynamic Chart.js visualizations to display revenue trends, churn metrics, and payment analytics.
- Applied Git version control and modular project structure following full-stack best practices.

Personal Budget Tracker & Expense Visualizer (React)

- Developed a budgeting app with interactive data visualization, state management, and local storage persistence. Implemented chart rendering for expense insights and category-wise tracking.

Quiz App (Trivia API) (React)

- Built a quiz platform that fetches questions from a public API, handles scoring logic, and displays progress dynamically. Demonstrates API integration, conditional rendering, and React Hooks usage.

Smart Grocery Expiry Tracker (React)

- Designed an app to monitor grocery expiry dates using date logic, notifications, and local storage. Showcases creativity, real-world impact, and component-based architecture.

Keeper App (React)

- Recreated a note-taking app inspired by Google Keep, enabling users to create, edit, and delete notes. Focused on reusable components, props, and effective state updates.

Modern Education Website Template (HTML, CSS, JavaScript)

- Designed a modern, responsive multi-page education website using Flexbox, Grid, and semantic HTML. Highlights design skills, layout structuring, and responsive development.

## ACHIEVEMENTS/CERTIFICATIONS

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Express.js	2025	Scrimba
React Development	2025	Frontend Masters & Udemy
JavaScript Fundamental	2023	Udemy

## LEADERSHIP AND VOLUNTEER EXPERIENCE

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Public Relations Officer — Nandom Students' Union (KNUST Chapter) (2024 – Present)

- Serve as the PRO on the executive board, coordinating communication between the union, students, and stakeholders.
- Lead information dissemination through digital platforms and events, strengthening collaboration among members.
- Support planning and execution of community-oriented initiatives that promote student welfare and unity.

Volunteer Teacher — FIC Jubilee School, Nandom (2019 – 2022)

- Guided and mentored younger students, helping them build confidence in science.
- Assisted in organizing class activities and engaging pupils through interactive group learning.

## SKILLS

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Frontend: HTML5, CSS3, JavaScript (ES6+), React.js, Node.js, Express, Firebase, Responsive Design

Tools: Git, GitHub, VS Code, Vite

Soft Skills: Communication, Teamwork, Problem-Solving, Adaptability, Time Management

## REFeree

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