

ELIZABETH NUOMA AKOSSEY

(FRONTEND DEVELOPER) | ACCRA-GHANA

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[LinkedIn](#) | [Github](#) | [Portfolio](#)

SUMMARY

I am an innovative and driven frontend developer with knowledge in data science, skilled in Python, SQL, HTML, CSS, NiceGUI, and Tailwind CSS. I have built responsive websites and worked on projects involving data analysis and machine learning. Passionate about bridging the gap between education and technology, I have trained over 50 learners in coding through the Telecel Digitech Academy. My goal is to grow in frontend development and data science to create digital solutions in health and education.

TECHNICAL SKILLS

Languages: Python, SQL, HTML, CSS, TypeScript

Frameworks: NiceGUI, NextJs, Tailwind CSS, Tkinter, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Stats Model

Tools & Technologies: Git, Github, Visual studio code, Netlify, Power Bi, Excel, Google Workspace, Slack

Database Systems: MySQL, MongoDB, MS SQL Server

WORK EXPERIENCE

INFINICITY LABS | Frontend Developer | Internship(Remote)

September 2025 – November 2025

- Developed and enhanced user interface components for the BisonGuard web application using React and Next.js.
- Collaborated with the backend developer to integrate APIs and ensure smooth functionality across features.
- Participated in weekly code reviews and demo sessions to present progress and apply feedback for improvements.
- Utilized Git for version control to manage updates, track changes, and support efficient remote teamwork.

ASUSTEM ROBOTICS | Coding Instructor | Onsite

May 2025 – April 2025

- Delivered engaging web development lessons to over 50 learners in Tarkwa, covering HTML, CSS and web development fundamentals.
- Designed and implemented interactive coding activities to promote learner participation and understanding.
- Assessed learner progress through tests and projects, providing constructive feedback to strengthen their coding skills.
- Mentored learners in building their first websites guiding through the development process and troubleshooting issues.
- Trained learners in presentation skills, empowering them to confidently showcase their projects at the final exhibition.

PROJECTS

MEST AFRICA | Web Development Trainee

August 2025 – September 2025

- **LifeLink Blood Matching Platform (Team Project):** Contributed to a full-stack solution that connects donors and hospitals through real-time request notifications, geolocation matching, and secure user dashboards, helping close Ghana's blood supply gap.
- **Job Recruitment Platform (Team Project):** Built a responsive job recruitment platform frontend using NiceGUI and Tailwind CSS, integrated with a backend API for job listings and filtering, and enhanced user engagement through an intuitive UI and smooth navigation.
- **Event Management:** Developed an event management website with NiceGUI, integrating backend APIs to enable event creation, deletion, and viewing for seamless event administration.
- **Restaurant Website:** Developed a responsive restaurant website with NiceGUI and CSS, featuring menu highlights, booking, and contact sections for improved accessibility.

- **Tarkwa Dev (Company Website):** Guided learners in designing and developing a two page company website using HTML and CSS.
- **TechSkillsHub:** Mentored learners in designing a basic online learning platform interface using HTML and CSS.

AZUBI AFRICA | Data Analyst Trainee | Online

January 2025 – April 2025

- Analyzed trans-border freight data with Python to identify key trade routes and freight volumes by transport mode.
- Developed a personalized product recommendation system using machine learning, improving user engagement and recommendation efficiency.

GI-KACE | Data Analyst Trainee | Accra

October 2024 – December 2024

- Designed and developed a voting system database using MS SQL Server, including data modeling and querying improving system efficiency.

BLOSSOM ACADEMY | Data Science Trainee | Accra

February 2024 – June 2024

- **E-Sentinel (Team Project):** Collaborated with a team to build a cyberbully detection model, enhancing online safety by improving predictive accuracy by 30%.
- Built a heart disease classification model, achieving 85% accuracy, 80% precision, and 90% recall, improving early detection of heart disease.
- Analyzed a melanoma dataset, identifying key trends, such as an average tumor size of 2.5 cm and a 70% 5-year survival rate, providing valuable insights for treatment planning using Python.

ASUSTEM ROBOTICS | AI Trainee | Accra

July 2024 – August 2023

- Designed a text-to-speech application by designing the interface with Tkinter and integrating the OpenAI API to support accessibility.
- Designed and implemented a login and sign-up interface using Tkinter to enhance application usability.

EDUCATION

Bachelor of Science, Midwifery

September 2017 – July 2021

University for Development Studies, Tamale-Ghana

AWARDS

- Commitment and Dedication Student - MEST Africa
- Most Innovative Project(Team e-Sentinel) - GIZ AI fellowship
- Most Outstanding Student, Asustem Robotics

CERTIFICATES

- IBM (Web Development Fundamentals)
- Fundamentals of Azure AI Services (Microsoft)
- Introduction and Intermediate Python Developer (DataCamp)
- Introduction to SQL(DataCamp)
- Blossom Academy (AI, SQL, PowerBI)
- CAMFED (Python)

LANGUAGES: ENGLISH (Fluent) | FRENCH(Basics) | German (A1).

REFERENCE

Available upon request