YIRENKYI JODI KWESI KWAKYE

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PROFESSIONAL SUMMARY

Computer Science graduate and results-driven front-end developer with proven expertise in building responsive, user-centric web applications. Proficient in HTML, CSS, JavaScript, and modern frameworks such as React and Tailwind CSS. Combines technical skills with strong problem-solving abilities to deliver scalable solutions that enhance user experience. Demonstrates excellent teamwork, communication, and project management skills, with experience in collaborative environments. Passionate about creating innovative digital solutions and continuously expanding technical knowledge in emerging web technologies.

EDUCATION

BSc. Computer Science
Kwame Nkrumah University of Science & Technology (KNUST), Kumasi, Ghana
January 2021 - September 2024

West Africa Secondary School Certificate (WASSCE), General Science
Mfantsipim Senior High School, Cape Coast, Ghana
September 2017 - September 2020

WORK EXPERIENCE

Graduate Trainee
Social Security and National Insurance Trust (SSNIT), Ghana
October 2024 - Present

- Assist in programming and testing SSNIT-related applications
- Write comprehensive technical and analytical reports
- Collaborate with the development team on software enhancement projects
- Support implementation and maintenance of internal systems

Intern, IT Department
Ghana Water Company Limited, Accra
October 2023 - December 2023

- Supported troubleshooting of network connectivity issues
- Gained hands-on knowledge in networking fundamentals
- Assisted in network configuration tasks

PROJECT EXPERIENCE

ConceptMabelles (E-commerce Website)
January 2025 - Present

- Designed and developed an e-commerce website showcasing and selling African wear
- Integrated features for secure online transactions, product catalog management, and customer account management
- Ensured responsive design for optimal user experience across all devices

BiteWise
October 2024 - November 2024

- Developed a responsive restaurant discovery platform using React, Node.js, and MySql
- Implemented a user rating and review system with filtering capabilities by cuisine, location, and price range
- Created an interactive map feature using Google Maps API for restaurant location visualization
- Designed and implemented user authentication and profile management system
- Integrated social media sharing functionality to enhance user engagement and platform visibility
- Optimized website performance by implementing lazy loading and efficient data caching techniques

LockiT (Final Year Project)
January 2024 - September 2024

- Designed and developed an NFC-based room access control system using Arduino, RFID technology, and a custom mobile application
- Implemented a secure authentication system with encrypted NFC credentials and multi-factor authentication
- Created an admin dashboard for managing user access levels, monitoring entry logs, and generating security reports
- Developed a companion mobile app (Android/iOS) for user registration, credential management, and remote access control
- Integrated real-time notifications for unauthorized access attempts and system status updates
- Successfully deployed a working prototype across multiple rooms, demonstrating scalability and reliability

EmployNexa (Job Listing Web App)
June 2023 - September 2023

- Built a comprehensive job search platform targeting international remote opportunities using React, and Tailwind CSS
- Developed an advanced search algorithm with filters for skills, experience level, and salary expectations
- Implemented web scraping functionality that aggregates job listings from multiple international job boards
- Created a personalized job recommendation system based on user profiles and application history

- Designed an intuitive dashboard for tracking applications, setting job alerts, and managing application documents
- Integrated responsive email notifications for new job matches and application status updates

KNUST Open CourseWare
June 2022 - September 2022

- Led the UI/UX design for a cross-platform educational mobile application using React Native and Firebase
- Implemented an offline-first architecture allowing students to download and access course materials without internet connection
- Developed a content management system for faculty to easily upload lectures, assignments, and supplementary materials
- Created an interactive quiz module with immediate feedback and progress tracking capabilities
- Integrated analytics dashboard to track student engagement, performance metrics, and resource utilization
- Collaborated with a team of four developers using Agile methodology and Git version control

LEADERSHIP & VOLUNTEER EXPERIENCE

Donation Coordinator
MEEA Foundation
March 2022 - Present

- Manage logistics for collecting and distributing donated funds

TECHNICAL SKILLS

- Front-end development: HTML, CSS, JavaScript, React
- UI design: Tailwind CSS
- Networking fundamentals

REFERENCES

Simon Braimah Bakari
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