

MICHAEL AFEDI

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

CAREER SUMMARY

As a dedicated Computer Science student graduating in September 2025, I bring hands-on experience in frontend development through the MEST Africa training program. My expertise spans modern web technologies including React.js, JavaScript, HTML5, CSS3, and Tailwind CSS. Currently leading an AI development project and have collaborated on multiple team projects including library management systems, advertisement platforms, and tourism applications. My passion for technology, combined with practical experience in API integration, version control, and SEO optimization, positions me to contribute effectively to dynamic development teams focused on innovation and high-quality user experiences.

PROFESSIONAL EXPERIENCE

Team Lead & Frontend Developer, AI Hackathon Project *May 7th – June 6th 2025*

- Leading a cross-functional development team in building an innovative AI-powered application implementing Ghana Natural Language Processing (GNLP) for enhanced user experience and intelligent content analysis.
- Architecting frontend solutions using React.js, JavaScript, and Tailwind CSS while coordinating team efforts and project timeline management.
- Implementing AI integration strategies and managing API connections between frontend interfaces and machine learning backend services.

Frontend Developer (Training Projects), MEST Africa *January 23rd – May 23rd 2025*

- Collaborated with cross-functional development teams as the lead frontend developer, creating responsive web applications using React.js, JavaScript, HTML5, CSS3, and Tailwind CSS.
- Led frontend development for a comprehensive Library Management System with advanced book cataloging features, implementing React Hooks for state management and optimizing performance for large datasets.
- Developed user interfaces for an Advertisement Management System with dynamic content handling and responsive design, solving complex layout challenges through Tailwind CSS utilities and custom media queries.
- Implemented REST API integration and frontend-backend connectivity across all team projects, ensuring seamless data flow and enhanced application functionality.

National Service Personnel, Nsawam Adoagyiri Municipal Assembly 2023 – 2024 *Human Resource Management Department*

- Assisted in the management and updates of HRMIS (Human Resource Management Information System), ensuring accurate employee data maintenance and system efficiency.
- Collaborated with the HR team to collate nominal rolls for ESPV validation and generate comprehensive ESPV reports, supporting payroll accuracy and compliance.
- Contributed to the preparation of Annual Leave Management Roster, streamlining leave allocation processes and improving departmental workflow efficiency.

PROJECT

AI-Powered Application (Kasalingo Project) | [GitHub Repository](#) Currently leading a team in developing an innovative AI application that integrates Ghana Natural Language Processing (GNLP) for intelligent content analysis and user interaction enhancement. Architecting the frontend using React.js and managing team collaboration while implementing complex AI-human interface designs.

Personal Portfolio Websites | [GitHub Repository](#) | [Live Demo](#) Designed and developed multiple professional portfolio variations showcasing technical skills and projects using React.js, Tailwind CSS, and SEO optimization techniques.

Enhanced performance scores through image optimization, CSS minimization, and implementation of web performance best practices.

Capstone Project - Tourism Management Platform | [GitHub Repository](#) | [Live Demo](#) Led frontend development for a comprehensive tourism management platform as part of a collaborative team, creating intuitive user interfaces for travel planning, booking systems, and destination discovery features using React.js, JavaScript, and Tailwind CSS.

Yorkumi Frontend Application | [GitHub Repository](#) Collaborated with the Mest-Dev-Nexus team to build a comprehensive frontend application using React.js, JavaScript, and Tailwind CSS. Implemented responsive design principles and modern UI/UX practices for enhanced user experience.

Library Management System | [GitHub Repository](#) Built frontend components for a comprehensive book management application as part of the MEMO-GROW team, using React.js, Tailwind CSS, and JavaScript with advanced search and cataloging features. Successfully optimized rendering performance for large datasets by implementing efficient React state management and conditional rendering techniques.

Advertisement Management System | [GitHub Repository](#) Developed responsive user interfaces for a dynamic ad management platform in collaboration with backend developers, using React.js and Tailwind CSS. Resolved complex mobile layout challenges by leveraging Tailwind's responsive utilities and custom media queries, ensuring consistent user experience across all devices.

EDUCATION

Koforidua Technical University Koforidua, Ghana Bachelor of Technology in Computer Science
Expected Graduation Date: September, 2025

MEST Africa Accra, Ghana Frontend Development Training Program *January 23rd - May 23rd 2025*

Koforidua Technical University Koforidua, Ghana Higher National Diploma, Computer Networking Management January 2021 – September 2023

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+) - Intermediate, HTML5, CSS3 **Frameworks & Libraries:** React.js, Tailwind CSS **Tools & Technologies:** Git & GitHub, REST API Integration, Responsive Design, SEO Optimization, Microsoft 365 Suite, AI/ML Integration, Ghana Natural Language Processing (GNLP) **Databases:** Basic knowledge of database management systems **Other Competencies:** System Design, Problem-Solving, Performance Optimization, User Experience Design, Team Leadership, Project Management

SOFT SKILLS

- **Communication:** Strong verbal and written communication skills, developed through collaborative projects and team discussions.
- **Teamwork:** Experience working in diverse teams during MEST Africa training and real-world projects
- **Problem-Solving:** Ability to troubleshoot and resolve technical issues efficiently, especially in building and debugging frontend interfaces.
- **Adaptability:** Quick to learn and apply new tools and technologies in dynamic environments.
- **Time Management:** Effectively manage deadlines and deliverables across multiple projects.

REFERENCE

Scholastica Abesiba Awine
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