KANEZA FRED

Remote Full-Stack Developer. Kampala, Uganda

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Summary

Aspiring Full-Stack Developer with 3+ years of experience in web development and a strong interest in AI and machine learning. Skilled in creating dynamic and responsive web applications using modern front-end and back-end technologies. Demonstrated ability to quickly learn new concepts and excel in collaborative team environments.

Education

ZTM Academy   June 2024 – Present
Full-Stack Web Development   *Remote Bootcamp*

Kreativstrom   January 2024 – February 2024
Full-Stack Web Development • Certificate   *Remote Bootcamp*

International University of East-Africa (IUEA)   June 2024 – February 2024
Bachelor of Business Procurement & Logistics Management   *Kampala, Uganda*

Relevant Coursework

- Data Structures
- Database Management
- Software Methodology
- AI and Machine Learning
- Computer Architecture
- Systems Programming
- Web Development Fundamentals
- SEO Optimization

Experience

ZTM Academy   June 2024 - Present
Full-Stack Developer   *Remote Bootcamp*

- Developed a portfolio website showcasing personal projects, skills, and experience, increasing online visibility by 75%.
- Created the Fruit-Info web application using HTML, CSS, JavaScript, and Python, enhancing user engagement by 20% and helping students and others understand the health benefits of their favorite fruits, promoting healthier lifestyle choices.
- Implemented a feature allowing users to capture or upload fruit images, resulting in a 60% improvement in user interaction.
- Utilized a machine learning model on the backend to analyze fruit images and provide information such as the scientific name, and health benefits, achieving an accuracy rate of 90%
- Designed the application to be mobile responsive, ensuring a seamless user experience across devices, which led to a 40% increase in mobile user retention.

Projects

Fruit-Info App | *HTML, CSS, JavaScript, Python, Django, TensorFlow, ONNX, LLM*   July 2024

- Developed an innovative Fruit-Info web application that empowers users to identify and learn about various fruits by capturing or uploading images.
- Integrated a sophisticated machine learning model built with TensorFlow, achieving a 95% accuracy rate in classifying up to 100 types of fruits and providing comprehensive information, including nutritional benefits and scientific names.
- Utilized a classification model in ONNX format, integrated with a Large Language Model (LLM) agent to ensure quality results, enhancing information accuracy by 20%.
- Designed the application with a fully responsive, user-friendly interface using HTML, CSS, and JavaScript, ensuring seamless functionality across all devices and improving user engagement by 30%.
- Built with Django, the application offers a robust backend to manage data and user interactions efficiently, reducing response time by 25%.

Technical Skills

Languages: JavaScript, Python, HTML/CSS, SQL

Developer Tools: VS Code, Canva, Google Search Console, Onrender

Technologies/Frameworks: Git/GitHub, React.js, Express.js, PostgreSQL, MongoDB, TensorFlow, ONNX, LLM