

Wawira Muthoni

Personal statement

Technology advancement has had an impact in the agriculture industry. Despite farmers' best efforts, agricultural yields in African nations are still low as a result of climate change. Christine's background in software development creates an opportunity to develop programs that will provide farmers with access to weather monitoring systems that will enable them to make better decisions for crop needs.

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EDUCATION

AkiraChix-codeHive

Diploma in Information Technology

02/2022 - Present

Relevant Courses

- **Front-end Development:** Implementing DOM manipulation in Javascript. Using Reactjs as a framework.
- **Mobile Development:** Kotlin language to create Android applications, and version control with git and USB debugging.
- **UI/UX Design:** In depth study of color psychology, design software, and the use of design components and in visual communication.
- **Back-end Development:** Development of server side applications using Django. Building RESTful APIs using the Django framework.
- **UX Research:** Use of the design thinking processes ,research methodology to come up with human centered product design.
- **Internet of Things:** Employing embedded systems and connecting communication hardware to create web-based smart gadgets.

PERSONAL PROJECTS

Digital Wallet

- Using python I created a digital wallet which enables users to securely store digital versions of payment method.
- <https://github.com/Wawira-Muthoni/DigitalWallet.git>

Workoutlog

- Using Kotlin I created an application that enable users to view daily workouts quickly by swiping between the built-in calendar.
- <https://github.com/Wawira-Muthoni/Workoutlog.git>

Expense Tracker

- Using JavaScript I created an expense track that allows user to track their expenses. https://github.com/Wawira-Muthoni/Expense_Tracker.git

TECHNICAL SKILLS

Ability to build RESTful APIs using the Django framework.

Knowledge of data types such as lists, tuples and dictionaries for data storage and manipulation

Understanding of concepts in Django such as Database modeling, creating views, url routing and adding custom databases to create backend applications.

Good understanding of APIs integration using Retrofit Library to support functionality using MVVM architecture

Intermediate understanding of classes, inheritance and flow control in Kotlin.

Ability to fetch and store data using Firebase in Kotlin

Beginners' knowledge of DOM manipulation in JavaScript

Knowledge of design tools such as Figma Adobe illustrator to create wireframes , prototypes and mockups.