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## Education

AkiraChix

codeHive - Diploma in Information Technology

February 2024 – Present

## Relevant Courses

### Frontend Development

- Implementing Dom Manipulation in JavaScript
- Consuming Restful APIs using fetch and Axios
- Multi-Device Layout Optimization

### Mobile Development

- Manipulating Layouts in Code
- Event-Driven Programming Concepts
- Network Integration with Retrofit
- Using Room for Database Management.

### Backend Development

- Web Development with Django
- Implementing RESTful APIs with Django Rest Framework
- Cloud Infrastructure
- Containerization with Docker

### Data and Software Architecture

- Data Collection Methodologies
- SQL Essentials & Joins
- System Architecture Models
- Database Design and Modeling

### Product Management

- Customer Persona Development
- Product Lifecycle Management
- Data-Driven Decision Making
- Product Market Fit Analysis & Strategies

### UX/UI Design

- Visual Design Principles Understanding
- Interactive prototypes to test and validate design ideas
- Adobe Illustrator, Adobe Photoshop, and Figjam as Graphic Design Software
- Color Psychology and Mood Boards

### UX Research

# AGNES AUMA

## Software Developer

### Personal Statement

In a world where every second counts, reducing our carbon footprint is not just an environmental imperative but a race against time. As a software engineer, Agnes is enthusiastic about how data analytics and AI can be harnessed to reduce emissions, optimize resource use, and promote transparency in carbon tracking. She believes that leveraging these technologies offers a powerful opportunity to drive meaningful environmental change and create a more sustainable future.

### Skills

- Proficient in Django for secure web app setup, routing, and customization.
- Understanding of Python OOP principles for modular and reusable code.
- Expertise in data modeling and architecture for scalable applications.
- Skilled in software architecture patterns like MVC and microservices.
- Proficient in manipulating data structures such as binary trees, heaps, stacks, and queues.
- Experienced in applying machine learning algorithms for complex dataset analysis.
- Capable of using Coroutines in Android for managing asynchronous tasks.
- Proficient in Retrofit for REST API integration and managing request cycles.
- Skilled in manipulating the DOM with JavaScript for dynamic web pages.
- Experienced with React.js, including component props, hooks, and lifecycle methods.
- Experienced in creating product strategies aligned with business goals and user needs.
- Proficient in Figma for designing and prototyping UIs.
- Skilled in using Jira and Scrum for iterative product development.
- Solid grasp of Git and GitHub for version control.

### Projects

#### School

A school management system built with Django enables admins to track teachers, students, and courses, with data accessed and updated via JSON APIs.

[https://github.com/Agnes-Kamondi/project\\_school.git](https://github.com/Agnes-Kamondi/project_school.git)

#### Weather Forecast

A weather forecasting application built using React.js leveraging Weather API crafted to provide users with real-time weather updates by inputting a city name.

<https://github.com/Agnes-Kamondi/Weather-Forecast.git>

#### Enwallet

An app developed using Android Studio to help professionals track their cash flow effectively.

Users can easily monitor their income and expenses, ensuring they stay on top of their finances.

<https://github.com/Agnes-Kamondi/EnwalletApp.git>

### References

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