

## Jefferson Kodua Ampadu

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### Summary

Aspiring and solution-driven Software Developer with hands-on experience in building practical software systems. Passionate about creating efficient, scalable applications and solving real-world problems through technology. Experienced in full-stack development with a strong foundation in the fundamentals

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### Skills and Technologies

**Programming languages:** Python, JavaScript, HTML/CSS

**Web Development:** RESTful API , Flask

**Database:** SQLite, MySQL

**Tools & Technologies:** Git, GitHub

**Soft Skills:** Problem-Solving, Fast Learner, Teamwork, Communication, Adaptability

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## Education

### **BSc. Biomedical Science**

University of Cape Coast

*2017 – 2021*

### **Software Development**

Cellusys Code Camp

*2024 – Present*

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## Experience

### **Project: Inventory Management System**

**Client:** Madina Estate Pharmacy

**Project Role:** Full Stack Developer

#### **Responsibilities:**

- Designed and implemented a web-based inventory management solution for tracking pharmaceutical products.
- Built modules for sales tracking, order notifications, and stock alerts.

**Project Team Size:** Individual Project

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## **Project: E-Library System**

**Client:** GIMPA Law School

**Project Role:** Full Stack Developer

### **Responsibilities:**

- Developed a digital library platform for students to access legal texts and case files.
- Built search and category features, and ensured user-friendly navigation.

**Project Team Size:** 2 members.

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## **Project: YouTube Downloader Web App**

**Client:** Personal Project (Open Source)

**Project Role:** Full Stack Developer

### **Responsibilities:**

- Built a web-based application to download YouTube videos using yt-dlp, supporting multiple formats and quality options.
- Designed a clean and responsive UI for seamless user interaction and feedback.
- Implemented backend logic for video extraction, error handling, and metadata processing.

**Project Team Size:** Individual Project

**Repository Link:** [https://github.com/1efferson/YouTube\\_Downloader.git](https://github.com/1efferson/YouTube_Downloader.git)

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**Project:** Desktop Weather Application

**Client:** Personal Project

**Project Role:** Frontend developer

**Responsibilities:**

- Integrated OpenWeatherMap API.
- Implemented voice search functionality and city search with intelligent auto-suggestions.
- Incorporated tkintermapview for an interactive location-based map experience.

**Project Team Size:** Individual Project

**Repository Link:** <https://github.com/lefferson/weatherapp.git>

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**Soft Skills**

- Fast learner with a proven ability to pick up new technologies independently.
- Strong team player with excellent collaboration and communication skills.
- Proactive and motivated to continuously improve and contribute new ideas.
- Able to adapt quickly to new challenges and problem-solving under pressure.

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**References**

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