

# Alfred Mavwu CV

0972073035 [viwaplayz@gmail.com](mailto:viwaplayz@gmail.com)

<https://mavwu.github.io>

## CAREER OBJECTIVE

Motivated Computer Science student skilled in Python, data analysis, and software development. Focused on **machine learning** and **software engineering**, with experience in data cleaning, visualization, and predictive modeling. Passionate about sharing knowledge and mentoring others.

## EDUCATION

- **Bachelor of Science in Computer Science** - Mulungushi University, Zambia

Expected Graduation Year: October 2025 (**Awaiting Graduation**)

## TECHNICAL SKILLS

- **Programming & Web Development:** Python, Java, Dart (Flutter), JavaScript, HTML, CSS
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn
- **Machine Learning:** Scikit-learn (basics), model training & evaluation
- **Software Engineering:** Application design, API integration, Firebase, Node.js, Express.js, SQLite
- **Mobile Development:** Flutter for Android

## SOFT SKILLS

- Strong communication and presentation skills
- Problem-solving and critical thinking
- Ability to simplify complex concepts for beginners
- Teamwork and adaptability

## PROJECTS

### Climate Smart Agriculture Mobile App (*Final Year Project*)

- Built with **Flutter, OpenWeather API, Firebase, and Machine Learning models**.
- Provides weather forecasting and crop planting recommendations.
- Applied **data cleaning, visualization, and predictive modeling** for agricultural decision-making.

### Blogging Website

- Developed using **HTML, CSS, JavaScript, Node.js, Express.js, and SQLite**.
- Implemented features for creating, editing, and storing blog posts with a full-stack design.

#### **Portfolio Website**

- Created with **HTML, CSS, and JavaScript** to showcase personal projects and skills.
- Focused on responsive design and clean UI.

#### **Retail Management System**

- Built with **HTML, CSS, JavaScript, Node.js, Express.js, and SQLite**.
- Implemented inventory, sales tracking, and user management features for retail businesses.

#### **Beginner's Guide to Java Programming** *(Personal Project) still in development*

- Authored a self-learning guide for beginners in Java, simplifying programming concepts.
- Demonstrated ability to **explain technical content clearly**, highlighting teaching potential.

## **EXPERIENCE**

#### **Peer Mentoring and Tutoring**

- Assisted fellow students in understanding **Python, machine learning, and data analysis** concepts.
- Provided guidance on coding practices and debugging during group assignments.

## **CERTIFICATIONS**

**Artificial Intelligence Technology and Application – Huawei Academy, 2024**

**HCIA-Cloud Computing V5.5 Course – Huawei Academy, 2024**

**HCIA-IoT V3.0 Course – Huawei Academy, 2025**