Alfred Mavwu CV

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CAREER OBJECTIVE

A motivated Computer Scientist skilled in Python, data analysis, and software development. Focused on **machine learning** and **software engineering**, with experience in data cleaning, visualization, and predictive modelling. Passionate about sharing knowledge and mentoring others.

EDUCATION

- **Bachelor of Science in Computer Science** - Mulungushi University, Zambia. (**Graduated on 31st October, 2025**)

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