

# EDINA KWAMBOKA

## DATA SCIENTIST | WEB DEVELOPER | MOBILE APPLICATION DEVELOPER

### Contact Information:

- Email: [edinakwambokabwari@gmail.com](mailto:edinakwambokabwari@gmail.com)
- GitHub: [github.com/edinabwari](https://github.com/edinabwari)
- LinkedIn: [linkedin.com/in/edina-kwamboka-93b167254](https://www.linkedin.com/in/edina-kwamboka-93b167254)
- Phone: +254794662824
- Location: Nyeri, Kenya

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### OBJECTIVE

Enthusiastic final-year Bachelor of Science in Information Technology student seeking an internship opportunity to apply academic knowledge and hands-on skills in data science, web development, and mobile application development. Passionate about leveraging technology to drive informed business decisions and innovative solutions.

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### SKILLS

- **Programming Languages:** Python (Pandas, NumPy), Java, JavaScript, PHP, HTML, CSS
- **Machine Learning:** Regression, Classification, Clustering, Model Development for Plant Disease Identification
- **Data Visualization:** Tableau, Matplotlib
- **Web Scraping:** BeautifulSoup, Web Scraping Projects ( Jiji website)
- **Mobile Application Development:** Java, Android Studio
- **Web Development:** HTML, JavaScript, PHP, CSS, SQL
- **Database Management:** SQL

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### EDUCATION

**Dedan Kimathi University of Technology**  
BSc. Information Technology  
2021 – Current

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### EXPERIENCE

**Data Scientist Bootcamp**  
Lux Tech Academy  
October 2023 – November 2023 (4 weeks)

- Engaged in an intensive 4-week boot camp focused on immersive data science methodologies.
- Acquired proficiency in essential tools such as Python, SQL, and machine learning algorithms.
- Applied learned techniques in real-world projects, gaining practical insights into data analysis and interpretation.

### **Machine Learning Project**

Dedan Kimathi University of Technology

- Developed a machine learning model to identify diseases on tomato leaves.
- Utilized Python libraries such as Pandas, NumPy, and Scikit-learn.
- Improved model accuracy through feature engineering and hyperparameter tuning.

### **Web Scraping Project**

Dedan Kimathi University of Technology

- Conducted a web scraping project using Beautiful Soup to extract data from the Jiji website.
- Processed and cleaned the extracted data for analysis.

### **Mobile Application Development**

Personal Project

- Developed mobile applications using Java and Android Studio.
- Designed and implemented user-friendly interfaces.
- Integrated the machine learning model for tomato leaves into the application.

### **Web Development Project**

Dedan Kimathi University of Technology

- Developed an internship placement system using HTML, JavaScript, PHP, CSS, and SQL.
- Designed a user-friendly interface for students and administrators.
- Implemented backend functionality to handle user data, internship postings, and application submissions.

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## **PROJECTS**

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### **Plant Disease Identification Model**

- Developed a machine learning model for identifying diseases in tomato leaves.
- Used image processing and machine learning techniques to achieve high accuracy.

### **Jiji Website Web Scraping**

- Scraped and analysed data from the Jiji website using Beautiful Soup.

### **Internship Placement System**

- Developed a web-based internship placement system using HTML, JavaScript, PHP, CSS, and SQL.
- Implemented backend functionality to handle user data and internship postings.

### **Mobile Applications**

- Integrated a machine learning model for tomato leaves into the application to help users take pictures and the application returns information about the leaf.