

SHEDRACK WAMBUA RESUME

Shedrack Wambua

Contact Information:

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Professional Summary:

Computer Scientist specializing in AI and machine learning with extensive experience in web development, C#, JavaScript, and Python. Skilled in creating machine learning models, developing automated systems, and building interactive web applications. Passionate about leveraging technology to solve complex problems and enhance user experiences.

Education:

Kabarak University

Degree: Bachelor of Science in Computer Science

Graduation Year: 2025

Technical Skills:

- **Programming Languages:** Python, JavaScript, C#, HTML, CSS
 - **Frameworks & Libraries:** TensorFlow, React, Django
 - **Tools & Technologies:** Streamlit, FlutterFlow, pytsx3, speech_recognition
 - **Databases:** Mysql, Firebase, Postgre
 - **Others:** Machine Learning, NLP, Web Development, Data Analysis, Cybersecurity, Data Science
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Professional Experience:

AI Virtual Assistant Developer

Ekaita Financial Consultancy Firm

2024 – Present

- Developed an AI virtual assistant to enhance client interactions and improve customer service.
- Implemented NLP techniques to facilitate understanding and response generation.

Web Developer

Personal Projects

2023 – Present

- Created various web applications including a news feed app, personal finance dashboard, and an online code compiler.
- Utilized technologies like React, Django, and Kotlin to build and maintain these projects.

Machine Learning Engineer

Freelance

2022 – 2024

- Worked on classification models for mango leaf disease detection and gambling outcome predictions using the Kaggle "aviator" dataset.
 - Developed a Streamlit app for image classification, integrating TensorFlow models for accurate predictions.
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Projects:

Automated Twitter Bot

- Created a bot to tweet random Martin Luther King Jr. quotes using Python and the Twitter API.

Speech-Enabled Chatbot

- Developed a chatbot with text-to-speech and speech recognition capabilities, personified as "Anita".

News Feed App

- Built an app that aggregates and displays news from various sources using RSS feeds and web scraping, applying NLP for content analysis.

Personal Finance Dashboard

- Developed a web/mobile application to visualize users' financial data, providing personalized financial insights.

Online Code Compiler and Judging System

- Created a platform for users to write, compile, and test code in various programming languages with automated judging.
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Certifications:

- Cybersecurity Certificate from Coursera
 - Data Science Certificate from IBM
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References:

Available upon request.
