

CHARLES NGUTHU

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PROFESSIONAL SUMMARY

Motivated and detail-oriented third year Computer Science student at Masinde Muliro University of Science and Technology with strong skills in Python, web development, and machine learning. Experienced in building real-world projects including web applications, data analysis systems, and predictive models. Seeking an attachment opportunity to apply technical knowledge, gain industry experience, and contribute to innovative solutions.

EDUCATION

Masinde Muliro University of Science and Technology

Bachelor of Science in Computer Science

2023 – 2027

Kisasi Boys High School

KCSE – Grade B+

2019 – 2022

Kathungu Primary School

KCPE – 347 (B+)

2011 – 2018

TECHNICAL SKILLS

Programming Languages:

- Python
- JavaScript
- SQL
- HTML & CSS

Frameworks & Libraries:

- Django
- React
- TensorFlow
- Keras
- Scikit-learn
- Pandas
- NumPy
- Matplotlib
- Statsmodels

Databases:

- MySQL
- PostgreSQL

Other Tools:

- Git & GitHub
- Visual Studio Code
- Bootstrap

PROJECTS

1. House Price Prediction System

- Built a machine learning model to forecast house prices.
- Performed data cleaning, feature engineering, and model evaluation.
- Used Scikit-learn, Pandas, and Matplotlib.

2. Email Spam Detection System

- Developed a classification model to detect spam emails.
- Applied natural language processing techniques.
- Achieved high accuracy using supervised learning models.

3. Supermarket Item Arrangement using Reinforcement Learning

- Designed a reinforcement learning model to optimize item placement.
- Improved product visibility strategy using algorithmic approach.

RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database Systems
- Object-Oriented Programming
- Software Engineering
- Artificial Intelligence
- Computer Networks

LEADERSHIP & RESPONSIBILITY

Church Fundraising Secretary

- Managed communication and financial documentation.

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)

CAREER OBJECTIVE

To secure an industrial attachment position in a forward-thinking organization where I can apply my programming and analytical skills, learn from industry professionals, and contribute to real-world software development projects.