William Munguti

Applied Computer Technology, Major in Software Engineering , USIU – Africa

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GitHub: <https://github.com/mungutiwilliam?tab=repositories>

**Core Skills**

Communication, Proper Time management, Self-motivated, results-oriented, Networking, Design thinking, Teamwork and Collaboration, Conflict resolution, Multi-tasking, Planning and Strategic thinking , Attention to detail, Flexible

**Technical Skills**

Front-end development, Back-end development, Database Management, Computer Networks, Project Management, Mobile Programming, Operating Systems, Artificial Intelligence, Machine Learning, Software Testing and Quality Assurance, Git, Programming, Business Analyst, Data Visualization, Data Analysis, Design Thinking, Information Systems, ReactJS, Cors, JWT

**Languages**

Python, JavaScript, Nodejs , Java, CSS, HTML5, C++, Visual Basic, R , SQL

**Key Projects**

06/2021 - 08/2021 **Mid-Term project Java Desktop Application**

**Details :** Car rental desktop application written in Java and Database, managed using SQL to keep track of available cars and clients

11/2021 - 12/2021 **Machine Learning/ Data Science Fraud Detection Model**

**Details:** Created and trained a machine learning model using Jupyter notebook tool and python to perform data wrangling and analysis on a dataset and then used the model to predict fraud cases with a 94% accuracy prediction.

05/2022 - 08/2022 **Property Management System Web Application & Machine Learning Model**

**Details :** Created a Property Management System from scratch with a partner who worked on the Front End as I worked on the backend. I worked using JavaScript, NodeJS, Express, MongoDB. Mongoose, Cors, JWT. The System could also predict the price of the houses when a new property was being registered based on records of apartments in Nairobi

**Work experience**

**07/2022 – till date Qhala**

01/2022 – 04/2022 **IT Support and Consultant (Work study)**

**USIU - Africa**

* Updating of various software on computers
* Operating System Installation & Configuration of computers that required new OS
* Technical Support for faculty members
* Projector Set up in classes
* Trouble shooting defects on computers to solve any issues

**Education**

01/2018 – 09/2022 **United States International University – Africa**

BSc. Applied Computer Technology (Software Engineering)

01/2012 – 09/2015 **St Thomas Nguviu Boys High School – Embu**

Kenya Certificate of Secondary School Education

**Professional Training**

11/2021 **IBM Data Science Practitioner**

**Skills:** Data Engineering, Model building, Deep Learning, Data Refinery, Data Analysis

11/2021 **Enterprise Design Thinking Practitioner**

**Skills:**  Design, User Centered Design, User Experience, UX

**Achievements**

1. Participated in **the USIU-Africa Hackathon 2022** team competitions and developed ***Organo*** web application that enables donors to register as willing donors. The app won **3rd** place in the competition

**Extra-Curricular Activities**

* USIU IT club member
* Book club

**Volunteer Work**

* Community service at Watu wa Maana children’s home at Ruiru.

**Hobbies**

Going to the gym, fitness, swimming, reading novels, watching movies, hiking

**References**

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| --- | --- | --- |
| MR Earnest Madara | Mrs. Jennifer Gachukia | Mr. Christopher Karanja |
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