**Faith Njeri Mburu**

**Data Scientist | Data Analyst**

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**SUMMARY**

A data scientist that has a background in computer science and a solid foundation in data analysis, machine learning, and predictive analytics. adept at developing data-driven solutions, including data analysis, model construction, and deployment, and improving decision-making with the use of user-facing apps and thorough data insights.

**SKILLS**

* **Programming & Frameworks:** Python, TensorFlow, Keras, Scikit-learn, SQL
* **Data & Visualization:** Power BI, Tableau, Seaborn, Matplotlib, Data Analysis, Data Preprocessing, A/B Testing, deep learning, dashboard development, data quality testing
* **Web Development**: HTML, CSS, javascript
* **Databases:** MySQL, PostgreSQL
* **Soft Skills:** Problem-Solving, Communication, Team Collaboration, Adaptability, Analytical Thinking, Time Management, Continuous Learning

**Projects**

**Toy Sales Analytics**

* Developed a Power BI dashboard segmented by branch, product, time, customer, and order to provide actionable insights. Conducted detailed data preprocessing, analysis, and visualization in Python, optimizing sales trends and performance tracking. Enhanced data-driven decision-making through dynamic reporting and clear visual representation.
* Tools & Technologies: Power BI, Python (pandas, matplotlib, seaborn), Jupyter Notebook

**NLP: AI-Generated text detection**

* Created a machine learning model to detect AI-generated text using NLP.
* Tested multiple models, including Logistic Regression, Random Forest, and Neural Networks, selecting the optimal approach.
* Integrated the model into a Flask-based web application for practical deployment.
* Leveraged tools such as Scikit-learn, NLTK, Pandas, and TensorFlow for end-to-end model development.

**Coffee Data Analysis and modeling project**

* Predicted domestic coffee consumption by analyzing production data. Used engineered features to improve model accuracy.
* Built Linear Regression and Random Forest models, optimized via GridSearchCV. Deployed the final model with joblib.
* Tools: Python, Pandas, Scikit-learn, Matplotlib.

**EXPERIENCE**

**Attachee** | **Kiambu County***January 2023 to April 2023*

* IT Support and System Maintenance: Participate in the management of the county’s hardware and software, assist in the troubleshooting of various technical problems, and administer internal portals and websites
* Data management and analytics: Gather, clean, and analyze data to assist in public services on the premise that data will be kept secure and accurate with the use of SQL, Power BI.
* Application Development and Support: Deliver documentation and user training in an effort to assist in developing, testing, and modifying the county's software solutions.

**Data Entry** | I**EBC**

August 2022 | Nairobi, Kenya

* Data Entry and Management.
* Data Verification
* Data Security
* Record Maintenance

**EDUCATION**

**Mount Kenya University** | Bachelor of Science in Computer Science Sept 2020 – Dec 2023.

* Second class upper

**Moringa School** | Data Science May 2024 - Nov. 2024

* Certificate

**References**

**Antonny Muiko** | Technical mentor, Moringa School

* [Antonny.muiko@moringaschool.com](mailto:Antonny.muiko@moringaschool.com)

**David Gichuh**i | Kiambu County Director

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