**Brenda Jematia Bonareri**  
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**Professional Summary**

Self-driven data analyst and software developer with expertise in **Python**. Proficient in developing scalable web applications, creating data visualizations, and building APIs. Strong foundation in data analysis, project management, and database integration. Eager to apply skills in Python/Django development and grow within a collaborative team environment.

**Technical Skills**

* **Programming Languages:** Python (Django, Flask), SQL, JavaScript, C++
* **Frameworks & Libraries:** Django ORM, Pandas, NumPy, Flask, Bootstrap
* **Databases:** PostgreSQL
* **Tools & Platforms:** Power BI, Tableau, Git, Jupyter Notebook, AWS(beginner)
* **Web Development:** HTML, CSS, JavaScript, RESTful APIs
* **Soft Skills:** Problem-solving, Teamwork, Adaptability, Attention to detail

**Education**

**B.Sc. in Petroleum Engineering**  
**Kenyatta University**, Nairobi, Kenya  
Graduation Year: 2022

* Relevant Coursework: Statistics, Programming in Python and C++, Data Visualization, Engineering Mathematics

**Projects**

**Customer Churn Prediction (Safaricom) *(Python Project)***

* Developed a machine learning model using Python (Scikit-learn) to predict customer churn.
* Applied data preprocessing techniques and feature engineering to improve model accuracy.
* Delivered findings via clear visualizations using Matplotlib and Seaborn.

**Professional Experience**

**Data Analyst *(Freelance)***

**May 2024 – Present**

* Conducted data analysis and created visualizations using Python, Power BI, and Tableau.
* Collaborated with clients to deliver actionable insights for decision-making.
* **Modeling & Prediction**: Built predictive models for customer behavior analysis and presented findings to stakeholders.
* **Python Development:** Developed Python-based data analysis workflows, utilizing **Pandas**, **NumPy**, **Flask** and **Scikit-learn** for data manipulation, preprocessing, and machine learning model development.
* **API Development:** Built and integrated APIs using **Flask** to allow users to interact with the models deployed in real-time applications.

**Operations Trainee**

**Kenya Pipeline Company Limited**, Nairobi, Kenya  
**May 2022 – Dec 2022**

* Executed seamless pipeline product transfers from Mombasa to Nairobi, ensuring on-schedule fuel deliveries; collaborated with controllers from other stations, streamlining operations and reducing delivery delays by 20%.
* Analyzed and evaluated product samples in the lab, identifying areas for improvement and implementing efficiency enhancements that reduced customer waiting times by 40%.
* Maintained optimal operational conditions by monitoring pipeline pressures and fuel flow rates.
* Enhanced product logging and accounting accuracy through active involvement in SAP system processes.
* Monitored SCADA data to coordinate field fault diagnostics and manual operations.

**Certifications**

* Anaconda Python for Data Science
* Excel Basics for Data Analysis
* Python for Data Science, AI & Development (IBM)
* PMP Certification Training Course

**Volunteer Experience**

**Volunteer Data Analyst**  
*Statistics without Borders & Catchafire*

* Contributed to data-driven projects to support underserved communities.
* Developed workflows and visualizations to address public health challenges.

**Volunteer Organizer**  
*Society of Petroleum Engineers (SPE)*, Nov 2020 – Dec 2021

* Organized technical conferences, workshops, and field trips, fostering collaboration among members.

**Wildlife Volunteer**  
***Global March -*** *Kenya Wildlife Service*, Sep 2017 & Apr 2019

Participated in advocacy campaigns to raise awareness about wildlife conservation.

**Languages**

* English (Fluent)
* Swahili (Fluent)
* French ( Intermediate)