

Bill Kamanzi

✉ Bikamanzi@gmail.com 📞 +971 50 827 0514

🌐 linkedin.com/in/bill-kamanzi

📄 github.com/kb546 📍 Dubai, UAE

🔗 bill-kamanzi.vercel.app

👤 PROFILE

Recent Computer Science graduate and detail-oriented data analyst skilled in **Python**, **R**, and **SQL**, with expertise in data visualization using **Tableau** and **Power BI**. Proven ability to transform complex data into actionable insights to support strategic decision-making. Eager to contribute analytical skills to drive success in a dynamic organization.

🎓 EDUCATION

Rochester Institute of Technology

Bachelor of Science, Computer Science and Information Technology

January 2020 – May 2024 | Dubai, UAE

Minor: Data Analytics | **CGPA:** 3.30/4.00

💼 WORK EXPERIENCE

DP World

IT Intern

July 2023 – September 2023 | Dubai, UAE

- Conducted cost-benefit analysis on vendor proposals increasing operational efficiency by **20%**.
- Integrated tech solutions with regional IT teams boosting system efficiency and data sharing across the MENA region.

CrimsonLogic

IT Intern

May 2022 – August 2022 | Abu Dhabi, UAE

- Designed a user-friendly UI in **Figma** that reduced customer issue reporting time by **40%**.
- Collaborated with backend developers to test and release software updates decreasing bug reports by **30%**.

🏆 CERTIFICATES

IBM Data Science Professional Certificate

Coursera

Machine Learning with Python

IBM

Generative AI

IBM

Databases and SQL for Data Science with Python

IBM

Data Analysis with Python

IBM

Data Visualization with Python

IBM

Python for Data Science, AI & Development

IBM

📁 PROJECTS

SpaceX Falcon 9 Landing Prediction

github.com/kb546/DataScience_Capstone_Project

- Extracted and cleaned data from SpaceX API and web scraping to enhance dataset quality.
- Performed EDA using **Python** libraries (Pandas, NumPy) and **SQL** to identify key landing success factors.
- Developed and compared models (Logistic Regression, SVM, KNN, Decision Tree); achieved a Decision Tree GridSearchCV best score of **0.889** and a test accuracy of **83.3%**.

Social Buzz Data Analytics Project

github.com/kb546/Social_Buzz_Data_Analytics_Project | Forage

- Cleaned large datasets by handling missing values and removing irrelevant columns.
- Merged multiple data tables using **VLOOKUP** and built pivot tables to uncover key trends in content categories.
- Developed visualizations in **Excel** to present findings on the most popular content categories, user reactions, and monthly post distribution.

Sales and Customer Performance Tableau Dashboard

https://bit.ly/4eixo2

- Built interactive dashboards in **Tableau** to track year-over-year sales, profits, and customer trends.
- Visualized KPIs and monthly sales trends, with subcategory comparisons and weekly performance highlights.
- Designed Customer and Sales Dashboards showcasing customer segmentation, top customers by profit, and dynamic filtering by product and region.

Healthcare Data Analysis Power BI Dashboard

github.com/kb546/Healthcare_Data_Analysis_PowerBI

- Built an interactive **Power BI** dashboard to visualize patient satisfaction, demographics, and healthcare performance metrics.
- Analyzed patient visits, wait times, and satisfaction scores to deliver insights for improving healthcare service quality.
- Implemented dynamic filtering and drill-down features for exploring data by patient demographics and department.

Fraud Prevention Project

github.com/kb546/Fraud-Detection-System

- Conducted exploratory data analysis (EDA) using detailed visualizations
- Developed a logistic regression model in **R** that achieved **98.9%** accuracy in classifying mobile scans as fraudulent or non-fraudulent
- Conducted a cost-benefit analysis demonstrating the financial impact of the model, resulting in a **\$75** profit for the retailer

🧠 SKILLS

Programming Languages

JavaScript, TypeScript, Python, Java, C#, SQL, Perl

Web Development

HTML5, CSS3, JavaScript (ES6+), TypeScript, Astro, React, Tailwind CSS, Bootstrap, Node.js, PHP

Data Analysis

SQL, R, Python (Pandas, NumPy, SciPy, Matplotlib)

Data Visualization

Tableau, Microsoft Power BI, Looker, Excel

Database and Backend Development

MySQL, PostgreSQL, MongoDB, Firebase, RESTful APIs, Node.js, Express.js

Machine Learning

Scikit-learn (Logistic Regression, Support Vector Machine, KNN, Decision Trees)