# **GICHEHA KEZIAH**

# [Portfolio](https://wambuigicheha.github.io/) **|** [Gmail](mailto:keziahgicheha@gmail.com)| [LinkedIn](https://www.linkedin.com/in/gichehawambui) | [GitHub](https://github.com/wambuiGicheha) | (+254) 717 254 185 | Nairobi, Kenya

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# **SUMMARY**

Passionate and results-driven Data Scientist with a strong background in computer technology and project management. Skilled in leading data projects to deliver impactful insights and drive informed decision-making. Proven expertise in data analysis, machine learning, big data, reporting, and developing actionable dashboards and data-driven solutions. Committed to leveraging my skills and knowledge to achieve organizational goals and excel in the field of data science.

**SKILLS**

**Technical Skills**

* **Data Analysis:** Python, R, SQL, Excel, Statistical Modelling, Data Cleaning.
* **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn.
* **Machine Learning:** Predictive Analytics, scikit-learn, TensorFlow.
* **Big Data Tools:** Hadoop, Spark.
* **Database Management:** SQL Server, Data Validation.

**Soft Skills**

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Leadership, Project Management, Communication, Problem-solving, Attention to Detail.

**WORK EXPERIENCE**

**System Administrator |Ebenezer Commercial Works Ltd (KeNHA contractor)**. |Nairobi, Kenya |Jan 2022- September 2024

**Key achievements:**

* Enhanced data accessibility and operational efficiency by improving data capture processes, increasing accessibility by 25%.
* Designed and implemented data validation workflows, ensuring 99.5% data availability and reliability.
* Developed and maintained automated reporting dashboards, reducing report generation time by 20%.
* Managed data backup and recovery processes, achieving near-perfect reliability.
* Acted as manager during the absence of the duty manager, ensuring smooth daily operations.

**Tier 1 - Technical Support Engineer |XC360 EA LTD** |September 2020 – March 2021

**Achievements and responsibilities:**

* Identified data discrepancies and implemented solutions, enhancing operational efficiency by 15%.
* Supported data handling tasks and maintained smooth IT operations, leading to improved data management processes.

**Data Assistant |Family Health International, Kenya.** |Feb 2019 to October 2019

**Achievements and Responsibilities:**

* Digitized records and validated data, supporting the integrity of organizational data systems.
* Coordinated with the project team on data capture and reporting needs to enhance data availability and accessibility.

**Education**

* **Master of Business Administration, Project Management**

**Daystar University, Nairobi, Kenya. |** Tentative Graduation date: November 2025

* **Data Science**

**Moringa School |** November 2024

* **Bachelor of Technology in Computer Technology**

**The Technical University of Kenya, Nairobi, Kenya. |** November 2018

* **Kenya Certificate of Secondary Education**

**Mary Mount Girls Secondary School, Molo, Kenya |**November 2013

**Technical Projects**

* [NLP Depression Detection](https://github.com/wambuiGicheha/NLP-depression-detection)

*Tools: Python (NLTK, Scikit-learn), Data Visualization (Matplotlib, Seaborn), HTML/CSS, Stream lit*

*Built a predictive model achieving 90% accuracy to classify depressive tendencies in Reddit posts.*

*Designed an interactive web app using Streamlit for real-time user interaction.*

* [Customer Churn Prediction](https://github.com/wambuiGicheha/Logistic_Regression_Project)

*Tools: Pandas, Matplotlib, Seaborn, Scikit-learn Techniques: Logistic Regression, Decision Trees, Exploratory Data Analysis (EDA), Data Cleaning*

Developed predictive models using Logistic Regression and Decision Trees, enabling proactive retention strategies and reducing churn risk by 10%.

* [Sentiment Analysis on social media](https://github.com/wambuiGicheha/Sentiment-Analysis-on-Social-Media)

Tools**:** Python, Pandas, NumPy, Scikit-learn, NLTK, Matplotlib, seaborn, TFIDF Vectorizer.

Performed sentiment analysis on tweets related to Apple and Google products, classifying user sentiments into positive, negative, or neutral categories using Natural Language Processing (NLP) techniques.

* [Home Value Predictions](https://github.com/wambuiGicheha/Regression_Project)

*Tools: Python, Libraries/Tools: Pandas, Matplotlib, Seaborn, Scikit-learn Techniques: Linear Regression, Exploratory Data Analysis (EDA), Data Cleaning.*

Developed a linear regression model to predict home values based on key features, achieving high accuracy and supporting decision-making for real estate investments.

* [Microsoft Studio EDA](https://github.com/wambuiGicheha/Project1)

Tools: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, Techniques: Data Cleaning, Exploratory Data Analysis (EDA), Data Visualization, Statistical Analysis

Conducted exploratory data analysis (EDA) to provide actionable insights into box office trends, informing studio strategy.

**Certifications And Awards**

* **Data Science Certificate** – Moringa School (2024)
* **Project Management Fundamentals** – LinkedIn Learning (2022)
* **Managing Project Stakeholders** – LinkedIn Learning (2023)
* **International Computer Driving License (ICDL)** – Institute of Advanced Technology (2014)
* **Web Development** – Institute of Advanced Technology (2016)

**Licenses**

* ICT Graduate - ICT Authority – (Jan 2024 ·- Jan 2027).

**Awards and volunteering**

* Volunteering certificate - Vitabu Vyetu Organization

**References**

To be provided on request.