

GICHEHA KEZIAH

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Kenya

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

Soft Skills

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