

# CHRISTOPHER OKECH

Nairobi, Kenya | +254758297990 | [okechobonyo@gmail.com](mailto:okechobonyo@gmail.com) | [GitHub](#) | [Portfolio](#)

## Professional Summary

Data analytics student at KCA University pursuing a KASNEB Diploma in Data Management and Analytics with hands-on experience in SQL and Python. Delivered freelance analytics solutions that improved decision-making for Kenyan small businesses. Skilled in data cleaning, reporting, and visualization, with a clear focus on solving real-world business challenges.

## Education

### KCA University, Ruaraka

Dec 2025

KASNEB Diploma, Data Management and Analytics

- **Coursework:** Data Analysis with Python, SQL, Machine Learning, Data Visualization

### ALX Africa (Online)

2023

Data Science Program

## Experience

### Freelance Data Analyst

2023 - Present

Freelance Data Analyst

Nairobi, Kenya

- Utilized Python (Pandas, Scikit-learn) and SQL to collect, clean, and analyze datasets, driving a 20% improvement in client decision-making.
- Engineered automation workflows for SME financial reporting by integrating Excel-based templates to streamline data organization and report generation.
- Collaborated with local communities to refine project strategies and effectively communicate analytical insights to diverse audiences.

## Relevant Projects

### Customer Churn Prediction (ALX Project)

2023

ALX Africa

- Developed a machine learning model using Scikit-learn to predict customer churn, hosted at [datascienceportfolio.io/cho](https://datascienceportfolio.io/cho).
- Conducted exploratory data analysis (EDA) with Pandas and Seaborn on customer demographics, improving model accuracy.

### Inventory Loss Control

2024

- Created predictive models with Pandas and Scikit-learn to monitor retail inventory losses.
- Performed EDA and anomaly detection on sales data, visualized using Excel and Seaborn.
- Showcased project at [datascienceportfolio.io/cho](https://datascienceportfolio.io/cho), highlighting quantitative analysis skills.

### Walmart Sales Forecast

2024

- Developed a time series forecasting model in Python, integrating promotional and economic data.
- Improved forecast accuracy by 10% through regression analysis and feature engineering.
- Presented insights via Tableau dashboards, hosted on GitHub ([github.com/okech-elitch](https://github.com/okech-elitch)).

### ChapChap Books – AI-Powered Bookkeeping Side Project

Jun 2025 - Present

Kenya

- Built a WhatsApp-integrated SaaS for Kenyan SMEs using Python (Pandas, gspread), n8n, and Twilio API to automate inventory and sales tracking via Google Sheets.

## Skills

- **Technical:** Python (Pandas, Scikit-learn, NumPy, Matplotlib, gspread), SQL, Tableau, Excel, n8n (Automation), Twilio (WhatsApp API), Flask, Safaricom Daraja API, Machine Learning (Regression, Clustering, Anomaly Detection), Time Series Analysis, Data Visualization
- **Soft Skills:** Communication, Problem-Solving, Team Collaboration, Strategic Thinking, Attention to Detail