

## SUMMARY

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Ex-Analytical Chemist transitioning into a data science role after completing a data science certification program with a diverse experience of 2 years working collecting and analyzing essential oil data, creating SOPs, setting weekly production targets in a team of 5 that resulted in the long lasting impact in the organization. I'm currently looking for a role in Data Science.

## SKILLS

- Data cleaning and preparation
- Data analysis and exploration
- Machine Learning using various regression and classification models
- Neural networks
- Building interactive dashboards using excel, Tableau and PowerBi
- Python and R (R Markdown) Programing languages
- Github
- SQL (MYSQL, Microsoft SSMS)
- Critical Thinking
- Innovativeness

## Projects

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### Analyzing Kenya's 2022 elections using unsupervised learning | Link: [Project Link](#)

- The project aimed at predicting the winner of the presidential election, charting the popularity of various political parties and formations, and aspirants, and major topics being discussed in the run-up to the 2022 elections in Kenya.
- Tools: Python, Twitter API, Github, Streamlit, Figma, Canva for slide presentation, Jira

### Predicting house prices using machine learning | Link: [Project Link](#)

- The aim of the project was to use various regression models to predict house prices in New York and compare their performances
- Tools: Python, Github,

## EXPERIENCE

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1. Part-time Kipsigis Contributor| Lugha Yangu  
November 2022 - Present

### Roles and Responsibilities

I write on the culture, language, and organization of my community the Kipsigis community

### [Work\\_Sample](#)

2. Biochemist | The Gallmann Memorial Foundation  
Sept 2019 - Oct 2021 | Laikipia, Kenya

### Roles and Responsibilities;

- Maintenance of hygiene of distillation site
- Maintaining records and quality of essential oil distillations and leaf collection
- Experimenting on various techniques to recycle biomass used in distillation process
- Oversight of the distillation site, distillation boiler and processing area

- Processing of the raw essential oil
- Trialing different methods of extraction
- Trialing different raw botanicals
- Experimenting with different mixtures and ingredients for the creation of soaps creams, hair products and any other products as instructed by the directors

#### Key Accomplishments:

- As the head biochemist, I headed tweaks in the distillations procedures that lead to an increase the essential oil yield by 10% while cutting distillation time by 6%

## **EDUCATION**

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### **Primo Academy | Data Analytics Trainee Program**

Expected Jan. 2023

- Courses - Introduction to Data Analysis with Excel, SQL and Python, Data Engineering with Big Data Technologies, Data Science and Machine Learning , Data Viz with PowerBI and Automation with Power Platforms

### **Moringa School |Data Science**

Graduated in July. 2022

- Courses - Introduction to Data Analysis with R, SQL, and Python, Machine Learning, Data preparation processes, Data Visualization with tableau
- Link:[Credential](#)

### **Jomo Kenyatta University of Agriculture and Technology |BSc. Analytical Chemistry**

Graduated in June. 2019

- First Class Honors

## **Certificates**

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**Certificate:** Data Engineering Essentials | Issued by Coursera Authorized by IBM

**Date:** 07/2022 - 08/2022

- Link:[Credential](#)

**Certificate:** Data Analytics and Visualization Virtual Experience| Issued by Forage

**Date:** 18/12/2022

- Link:[Credential](#)

## **Volunteer Experience**

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- **Chairman AVICO youth group:** The group located in my home area is aimed at aiding youth acquire extra income by engaging in horticultural farming and rearing poultry.
- **Vice Chairman Debate Club:** I'm an opinionated individual who enjoys articulating topics I believe in through constructive debate.

## **Referees**

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Shall be availed upon request