

# KENNEDY ITHAGU MAINA.

## DATA SCIENTIST.

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🔗 Portfolio: <https://moonwiing.github.io/>

🌐 LinkedIn: <https://www.linkedin.com/in/kennedy-maina-216822210>

### SUMMARY

Detail-oriented Statistician and Full-Stack Developer with 2+ years of experience bridging the gap between technical systems and data-driven strategy. Expert in extracting actionable insights from complex datasets and engineering scalable database solutions to drive operational efficiency and informed decision-making.

### WORK HISTORY

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| <b>Data Scientist, Viehpro Industries</b> <ul style="list-style-type: none"><li>• <b>Full-Stack Development:</b> Developed and maintained company-wide website and POS systems (Front-end/Back-end), implementing security protocols and database optimizations for seamless UX.</li><li>• <b>Data Analytics &amp; BI:</b> Leveraged mathematical modeling and performance metrics to build automated reporting systems, driving data-informed decision-making for executive leadership.</li><li>• <b>Systems Optimization:</b> Collaborated with cross-functional teams to translate business requirements into technical scripts, significantly increasing operational productivity and data reliability.</li></ul> | 03/2025 – Present<br>Nairobi |
| <b>Data Analyst Trainee Intern, Excelebrate International</b> <ul style="list-style-type: none"><li>• Streamlined raw data lifecycles through rigorous statistical analysis and the design of stakeholder-facing visualizations to communicate complex business insights</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                    | 07/2025 – 08/2025            |
| <b>RESEARCH ASSIATANT, Kenya National Bureau of Statistics (KNBS)</b> <ul style="list-style-type: none"><li>• Orchestrated multi-regional housing research projects by engaging local communities to maximize data reliability while ensuring strict ethical compliance and statistical accuracy.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                           | 02/2024 – 05/2024            |
| <b>ENUMERATOR, Ministry of Agriculture and Livestock Development</b> <p>Executed large-scale agricultural mapping and farmer profiling using ODK tools, synthesizing complex datasets into strategic reports to guide Ministry-level developmental planning.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 08/2023 – 09/2023            |
| <b>ASSISTANT PRESIDING OFFICER, Independent Electoral and Boundaries Commission</b> <p>Directed polling station operations and supervised staff to ensure precise voter verification, conflict resolution, and the integrity of ballot issuance protocols.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 08/2022 – 08/2022            |
| <b>MARKET RESEARCH JUNIOR DATA ANALYST, Kenya Revenue Authority (KRA)</b> <p>Transformed large-scale market datasets into structured deliverables and clear insights while providing professional stakeholder support to enhance service engagement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 03/2022 – 07/2022            |

### EDUCATION

|                                                                                                                                                             |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>DATA SCIENCE, ALX Africa</b> <p>Completed Data Science. Machine Learning, Data Analytics and python.</p>                                                 | 2025 – 2026<br>Africa |
| <b>BACHELOR OF SCIENCE - B.SC, STATISTICS, South Eastern Kenya University</b> <ul style="list-style-type: none"><li>• Achievements: Data Analysis</li></ul> | 2019 – 2023           |

SKILLS

|                                     |                              |
|-------------------------------------|------------------------------|
| Data Visualization                  | monitoring and evaluation    |
| Research Methodology                | Research and Data Collection |
| Data Analysis and Visualization     | Communication and Teamwork   |
| Spatial analysis                    | SQL, Postgress<br>RDBMS      |
| R, PYTHON, POWER BI, TABLEAU, EXCEL | Typescript                   |

Languages

- English
- Swahili

CERTIFICATION

- Data Visualisation: Empowering business with effective insights: TATA (Forage)
  - MEAL ESSENTIALS CERTIFICATE: Cornerstone OnDemand Foundation
  - Data Analysis - Certificate(ALX- Africa)
  - Data Science - ALX Africa.
- Data Analytics Job Simulation: DELOITTE(Forage)
  - PROFESSIONAL DEVELOPMENT SKILLS FOR DIGITAL AGE: Alx Africa
  - Python Programming Certificate - (ALX - Africa)

Projects

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| DAIRYMAX  , DairyMax - Mordern Dairy Management System                                                                                                                     | 12/2025 – 04/2026 |
| QQUOTE, NLP quotations generator                                                                                                                                                                                                                              | 2025 – 2026       |
| <b>Project: QQuote   AI-Augmented Document Generation Engine</b>                                                                                                                                                                                              |                   |
| <ul style="list-style-type: none"><li><b>NLP-Driven Workflow:</b> Integrated <b>Natural Language Processing (NLP)</b> to allow users to generate comprehensive quotations from unstructured text prompts, significantly reducing manual data entry.</li></ul> |                   |

References

Available upon request