

Vincent Nyamollo

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SUMMARY

MS in Industrial and Systems Engineering with 5+ years of industrial experience (2+ years in data analytics and 3+ years managing large-scale automation projects) in delivering high impact and scalable solutions. Skilled in supervised and unsupervised machine learning, end-to-end project management, applied statistics and metric-driven analysis. Proficient in generating insights from diverse data sources using SQL, Python and Tableau.

EXPERIENCE

Research Assistant, Lamar University | Beaumont, Texas Jan 2024 – Present

- Conducted experiments on balance and driving behaviors to uncover key risk factors affecting senior driving safety and presented the findings at Center for Resilience workshop.
- Investigated the effects of student's discomfort on cognitive load to optimize learning, resulting in a peer-reviewed publication at The Human Factors and Ergonomics Society (HFES).

Data Analyst, Elara Inc. | Nairobi, Kenya Jan 2022 – Dec 2023

- Predicted customer churn using LightGBM in Python, cutting churn rate by 15%.
- Processed 1TB of marketing data with Pandas to deliver insights that doubled conversion rates and increased revenue by \$500K.
- Automated KPI reporting by developing interactive dashboards using Power BI, Tableau and SQL, reducing manual reporting time by 60%.
- Developed an end-to-end ARIMA sales forecast model in R, outperforming baseline by 22%.
- Designed and executed A/B tests to evaluate website feature performance, leading to 19% improvement in user engagement.

Project Engineer, Vivo Energy Kenya | Nairobi, Kenya July 2019 – Dec 2021

- Led successful end-to-end retail automation projects roll out across 102 sites ahead of schedule, earning company-wide excellence award.
- Drove cross-team collaboration, achieving a 26% reduction in project slack.
- Implemented a new safety framework that reduced work-related incidents by 70%.
- Analyzed post-implementation data to identify continuous improvement opportunities.

Engineering Intern, Vivo Energy Kenya | Nairobi, Kenya Jan 2019 – June 2019

- Led site surveys and tracked project progress across 50+ retail sites.
- Streamlined stakeholder and contractor coordination, cutting project delays by 15%.

EDUCATION

MS in Industrial and Systems Engineering | Lamar University | Beaumont, TX 2025

BSc. in Mechatronic Engineering | Dedan Kimathi University of Technology | Nyeri, Kenya 2019

CERTIFICATIONS AND AWARDS

- Company Excellence Award – Vivo Energy 2020
- Applied Data Science Lab – WorldQuant University
- Machine Learning A to Z – Udemy
- Leader of Tomorrow (Top 25 in global essay competition) – 54th St. Gallen Symposium

SKILLS

Tools & Languages: Python (Numpy, Pandas, Matplotlib, Seaborn, Scikit-learn) SQL, R

Methods: Machine Learning Algorithms, Hypothesis Testing, Experimental Design, A/B Testing

Data Visualization: Looker, Tableau, Power BI