

Job Kimani

Data Science Professional & Business Analytics Specialist

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Personal Statement: As a passionate data science professional with over 9 years of analytical experience, I am dedicated to transforming complex data into actionable business insights. Currently advancing my expertise through a rigorous Post Graduate Program in Data Science and Business Analytics at The University of Texas at Austin McCombs School of Business, I am building upon my strong foundation in political research and program evaluation to become a versatile data scientist. My goal is to leverage cutting-edge machine learning techniques and AI technologies to solve real-world business challenges, while maintaining a focus on ethical data practices and meaningful social impact. I thrive on the intersection of technology and human insight, believing that the most powerful data stories are those that drive positive change in organizations and communities.

Education

Post Graduate Program in Data Science and Business Analytics & AI with Deep Learning

The University of Texas at Austin - McCombs School of Business

November 2024 - Present (Expected completion: July 2025)

Comprehensive online program covering the full spectrum of data science and artificial intelligence applications in business contexts. The curriculum emphasizes practical, hands-on learning with real-world projects and industry-relevant case studies.

Core Modules Completed & In Progress:

- Python Foundations - Advanced programming, data manipulation, and exploratory data analysis

- Business Statistics - Inferential statistics, hypothesis testing, and statistical modeling
- Supervised Learning - Linear/logistic regression, decision trees, and classification algorithms
- Ensemble Techniques - Random forests, boosting, and advanced model tuning
- Unsupervised Learning - K-means clustering, hierarchical clustering, and PCA
- Generative AI - Introduction to AI applications and prompt engineering
- Advanced SQL - Complex querying, database optimization, and data proficiency
- Specialized Analytics - Marketing, finance, supply chain, and web analytics modules

Bachelor of Arts in Political Science with Information Technology

Maseno University, Kisumu

2009 - 2013

Second Class Upper Division. Developed strong analytical thinking, research methodologies, and data interpretation skills. The IT component provided foundational knowledge in database management and statistical analysis.

Professional Experience

Program Officer - Affordable Housing Program

State Department for Housing and Urban Development, Nairobi

April 2023 - Present

Lead data-driven initiatives in Kenya's affordable housing sector, managing complex databases and creating compelling data visualizations for stakeholder presentations. Develop comprehensive reports that inform policy decisions and track program effectiveness across multiple regions. Collaborate with cross-functional teams to design metrics frameworks that measure housing accessibility and affordability impacts. My work directly supports the government's goal of delivering 250,000 affordable housing units annually.

Data Analyst (Consultant)

Growth Through Learning, Nairobi

2022 - Present

Leverage Salesforce CRM to design and implement comprehensive data reporting systems that track social impact metrics across multiple educational programs. Create automated dashboards that monitor program effectiveness, participant engagement, and outcome measurements. Conduct advanced data analysis to identify trends and patterns that inform program improvements and funding decisions. Regularly present findings to leadership teams and external stakeholders, translating complex data insights into actionable recommendations.

Political Researcher

Political Affairs Unit, State House, Nairobi

October 2013 - September 2022

Served as the primary data analyst for high-level political research initiatives, managing extensive databases containing demographic, economic, and political information across Kenya's 47 counties. Developed sophisticated analytical frameworks to assess policy impacts and public sentiment trends. Created detailed reports and presentations for senior government officials, providing data-driven insights that informed critical policy decisions. Maintained strict confidentiality protocols while handling sensitive political and economic data, ensuring accuracy and integrity in all research outputs.

Technical Skills & Expertise

Programming & Data Science

- Python (Pandas, NumPy, Scikit-learn)
- R Programming & Statistical Analysis
- SQL (Advanced querying & optimization)
- Machine Learning Algorithms
- Deep Learning Fundamentals
- Data Visualization (Matplotlib, Tableau)

Business & Analytics Tools

- Salesforce CRM & Analytics
- Microsoft Office Suite (Expert level)
- Smartsheet Project Management
- Statistical Modeling & Forecasting
- Business Intelligence Reporting
- Gender Analytics & Social Impact Assessment

Projects & Achievements

Housing Data Analytics Initiative

Designed and implemented a comprehensive data analytics framework for Kenya's affordable housing program, resulting in improved resource allocation and 25% more efficient project tracking across multiple counties.

Educational Impact Assessment Model

Developed a machine learning model using Salesforce data to predict educational program success rates, enabling Growth Through Learning to optimize their intervention strategies and improve student outcomes by 30%.

Professional Development & Future Goals

Currently pursuing pathway to **Master of Data Science (Global)** from Deakin University, Australia, building upon my UT Austin certification. My immediate goals include obtaining advanced certifications in cloud computing platforms (AWS/Azure) and specializing in AI ethics and responsible data science practices. I am particularly interested in applying data science to social impact initiatives, urban planning, and public policy optimization.

Interests & Personal Attributes

Beyond my professional pursuits, I am an avid blogger who writes about data science applications in African contexts, sharing insights on how technology can address local challenges. I enjoy hiking in Kenya's beautiful landscapes, which helps me maintain the mental clarity essential for complex data analysis. As a passionate NBA and football fan, I often apply statistical analysis to sports data as a way to keep my analytical skills sharp and engage with data in fun, creative ways. I believe in the power of storytelling through data and am committed to making data science accessible to diverse audiences.