Kelvin Njenga

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Nairobi, Kenya

PROFESSIONAL SUMMARY

I am an astute Data Scientist with a strong data-driven approach and a focus on leveraging technology to drive innovation. With a knack for effectively communicating complex technical concepts in a clear and concise manner, I excel at building consensus around data-driven models that deliver measurable results. My passion lies in utilizing my skills to address critical challenges in healthcare, environmental sustainability, social progress, and finance. With expertise in data analysis, machine learning, and advanced statistical techniques, I am adept at extracting actionable insights from complex datasets to inform strategic decision-making. Committed to continuous learning and staying at the forefront of emerging technologies, I am dedicated to delivering impactful solutions that address the needs of organizations and contribute to positive societal change.

WORK EXPERIENCE

Data Scientist | Omdena
August 2023 – Present

- Collaborate closely with cross-functional teams to prepare data for analysis, ensuring data quality and accuracy.
- Design and implement machine learning algorithms and statistical models to address complex business challenges, resulting in improved predictive accuracy for critical projects.
- Ensure seamless integration of models, monitor their performance, and make necessary adjustments to maintain optimal results.
- Actively engage in ongoing professional development by attending industry conferences, workshops, and online courses to stay updated on the latest trends and advancements in data science and machine learning.

Data Analyst Intern| Image Registrars
February 2022 - October 2022| Nairobi, Kenya

- Collaborated closely with the ICT manager and database administrator during the handover process, actively participating in meetings and playing a pivotal role in creating a new database for the EABL and UBL counters.
- Conducted thorough data cleaning and preprocessing tasks to maintain confidentiality, ensuring data quality and integrity for accurate analysis and reporting.
- Reviewed, researched, and developed a strategy for implementing rapid prototyping and application development using industry-leading business intelligence (BI) tools, resulting in a 30% increase in the speed and accuracy of data analysis and reporting for the team.
- Collaborated with the Operations team in a fast-paced environment to analyze data from source systems, resulting in a 15% increase in operational efficiency.
- Designed and implemented interactive dashboards leveraging SAP Crystal Reports and BI architecture to deliver real-time business performance insights. This included the creation of customized dashboards such as Customer Service Analytics, Immobilization Analytics, and Call Analytics, enhancing data-driven decision-making processes.
- Administered email security tests, such as KnowBe4, to enhance email security and educate users on phishing threats.
- Orchestrated the seamless execution of 25+ virtual Annual General Meetings (AGMs) for notable companies and saccos like Safaricom, KCB, DTB Bank etc.
- Assumed responsibility for the end-to-end setup and configuration of network infrastructure, featuring Wi-Fi Router, LiveU, Sophos Red 50 firewalls, Ethernet cables, conference phones, and D-Link 24 equipment, ensuring seamless live streaming.
- Troubleshot hardware and software issues within the organization.

TECHNICAL SKILLS

Language/Tools: Python for Data Science, SQL, Git, Tableau, Power BI, Excel
Libraries/Frameworks: Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Keras
Machine learning: Classification (Random forest, KNN, SVM, Decision tress, Neural networks), Regression modelling (linear, sparse, logistic, regularized), Principal component analysis (PCA), Clustering (K-means)
Stats & Experimentation: Time-series analysis, Hypothesis testing, Monte –carlo simulation, Financial forecasting

SOFT SKILLS

Effective Communication, Problem Solving, Stakeholder Management, Leadership and Innovation, Time management, Collaboration and Team work, Business Acumen, Continuous learning

PROJECTS

1. [Customer Churn: A Machine Learning Classification Approach to Predictive Customer Retention](#)
   The objective was to develop a machine learning classification model for SyriaTel, utilizing historical usage patterns and demographic information, to accurately predict customer churn. The model would aid to leverage customer data and minimize customer churn and financial losses.

2. [Streamlining Higher Education: Enhancing University Communication with an NLP-Powered Enquiry Chatbot](#)
   The University Enquiry chatbot simplifies the admission process by providing quick answers to FAQs on deadlines, required documents, and admission criteria. Despite a smaller training dataset, it's a valuable resource for students seeking reliable information.

3. [Crunching the Numbers: Using Multiple Linear Regression to Accurately Predict Insurance Premiums](#)
   The project aimed to predict insurance premiums for policyholders using a multiple linear regression model. The dataset used for this project contained information on policyholder characteristics such as age, BMI, sex, number of children, smoker status etc.

EDUCATION

Moringa School   October 2022 - June 2023
Data Science

Kabarak University   May 2018 - December 2022
Bachelor of Business Information Technology
Second Class Upper Division (CGPA: 67.38)

CERTIFICATIONS

- Financial Modeling & Valuation Analyst (FMVA)® from Corporate Finance Institute, Nov 2022
- Python Data Science Toolbox (Part 1) from DataCamp, Jul 2022
- Data Manipulation with pandas from DataCamp, May 2022
- Ask Questions to Make Data-Driven Decisions from Google, Jan 2022
- Foundations: Data, Data, Everywhere from Google, Jan 2022
- Practical Data Science from DeepLearning.AI, AWS and Coursera, Nov 2021
- Neural Networks and Deep Learning from DeepLearning.AI, Oct 2021
- Python for Data Science from IBM, May 2019

AWARDS AND ACHIEVEMENTS

Nairobi Global Game Jam Winner (2020 & 2023):
- In 2020, we developed 'Gman,' a 2D point-and-click game that creatively addressed the theme 'repair.'
- In 2023, our team achieved success with 'Sapana,' an innovative 3D game featuring immersive 3D sound and action, designed around the theme 'roots.'