Moses Kipngetich Yebei

Data Engineer 🧑🏽‍💻 A.I Enthusiast

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📍 Nairobi

👋 Profile

I am seasoned AI and Data Analytics expert with years of utilizing in Python for Data Visualization, Machine Learning, Computer Vision and Artificial Intelligence. I excel in building AI and ML algorithms that empower organizations to harness the power of data for predictive insights and strategic decision-making inferred from data pre-processing . My proficiency extends to multi-disciplinary teams and leading data-centric projects across diverse industries, underpinned by a robust foundation in Data science and Applied Statistics and Actuarial Science.

</> Skills

Culture Fit at Armely ● ● ● ● ○
Culture Fit Skills: Innovator in data solutions, collaborative leader, advocate for corporate responsibility, committed lifelong learner, and ethical in data use.

Machine Learning & A.I ● ● ● ● ●
- Deep knowledge in designing, training, and deploying machine learning models using Python, TensorFlow, and PyTorch.
- Experienced in advanced statistical modeling, regression analysis, and time-series forecasting, with a focus on predictive analytics for business insights.

Statistical Analysis & Decision Science ● ● ● ● ●
- Strong capability in employing advanced statistical techniques and data mining tools to uncover patterns, analyze trends, and provide forecasts that support business strategy and risk management.
- Trained in designing experiments and implementing A/B testing frameworks to validate findings and optimize business processes based on quantitative results.

Cloud Computing and Data Engineering ● ● ● ● ●
- Skilled in leveraging MySQL, Azure, AWS, Google Cloud Platforms for scalable data solutions, enhancing ETL processes and machine learning model deployment.
- Competent in data architecture, ensuring robust data governance, and compliance across cloud-based systems.

Research & Publication ● ● ● ○ ○
- Avid reader and active in AI research communities and forums like Arxiv, Colab, CVPR and NeurIPS.
- Experience in translating complex research findings into practical AI solutions and sharing knowledge through open-source platforms, contributions to blogs and articles.

Python Programming ● ● ● ● ○
- Advanced proficiency in Python, with substantial experience in library usage like NumPy, Pandas, and Scikit-Learn for data analysis.
- Advanced proficiency in Python, adept at utilizing sophisticated machine learning techniques such as logistic regression, decision trees, and ensemble methods to enhance risk assessments and fraud detection capabilities.

Data Science & Business Intelligence ● ● ● ● ●
- Capable of translating data findings into strategic recommendations for high-level decision-making.
- Expert in utilizing Power BI, Matplotlib, and other visualization tools to create impactful, actionable insights from complex datasets.
- Exceptional problem-solving abilities to dissect complex data sets and market trends, identifying key risk factors and strategizing informed, data-driven decisions

Financial & Risk Analysis ● ● ● ● ●
- Solid foundation in actuarial science, applying quantitative analysis to financial forecasting, budgeting, and risk assessment.
- Highly skilled in formulating and refining risk evaluation models that address credit and fraud risks, through F1 Score, Precision and Accuracy to secure and develop fintech solutions.

Soft Skills ● ● ● ● ●
- Strong communication skills, capable of articulating complex technical concepts to non-technical stakeholders.
- Proven leadership and project management abilities, leading cross-functional teams to meet project deliverables and exceed expectations.
- Proven track record in effectively collaborating within cross-functional teams.

⚙ Projects

Fine-tuning GPT-2, Open Source LLM from OpenAI Dec 2023
Fine-tuned a **1.5 Billion parameter LLM model**, optimizing NLP and code generation capabilities. This resulted in an enhanced AI model adept at understanding and generating code with increased relevance and accuracy.

Computer Vision with YoloV8,
Object Detection & Speed Estimation 🔗
Implemented real-time object detection and speed estimation with object counting.

🖥 Professional Experience

SALIX Data

AI assessment & Data Practice Development Team Member
- Integral part of a 3-member team tasked with developing a Artificial Intelligence and data practice consultancy framework.
- Authored a pivotal AI assessment document for the company's president, proposing innovative AI solutions to augment client services.
- Pioneered the integration of AI technologies into service offerings, enhancing client solutions and positioning the company as a leader in tech-driven business enhancements.

Junior Project Manager - Relativity, Litigation Support Nov 2023 – present
- Spearheaded forensic analysis and E-Discovery for high-stakes litigation, significantly enhancing legal process efficiency and accuracy.
- Orchestrated the integration of forensic tools and Relativity software, streamlining document processing and improving accessibility for critical litigation data.
- Collaborated and reported directly to the CEO to align project deliverables with strategic business goals, driving forward company objectives and client satisfaction.
- Managed production phase to perform Relativity Analytics on client documents, providing key insights for legal strategy support.
- Manage delivery of services against agreed SLAs and Map client business requirements

CSR/Project Associate - PFIC Aug 2022 – Nov 2023
- Gained skills in Customer Experience, to process insurance payments efficiently, improving operational efficiency for companies.
- Conducted business assessments to identify market opportunities and needs of businesses.
- Tracked key performance metrics using data analysis to optimize my overall productivity.
- Provided training and coaching to businesses to support their growth and development.
- Client liaison for troubleshooting activities

Fiverr, Freelance Data Scientist 🔗 Jan 2022 – Nov 2023
- Developed and deployed machine learning models to predict customer behavior, boosting customer retention by 15%.
- Engineered and maintained robust data pipelines for large-scale data analysis, supporting real-time analytics in retail environments.
- Partnered with cross-functional teams to ensure alignment of machine learning models with business goals, resulting in streamlined operations and increased profitability.
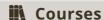
Allicom Insurance, Business Development Jan 2020 – Jun 2020
- Cultivated and managed client relationships, achieving a 70% customer satisfaction rate through personalized risk assessment services.
- Executed innovative marketing strategies that doubled the client base within six months.
- Advised clients on strategic business growth plans, significantly enhancing their market positioning and financial success.

Bomet County Government, Junior Budget Controller Mar 2018 – Jan 2020
- Managed financial reporting and reconciliation for projects exceeding 5 billion KSH, ensuring compliance and accuracy in public funding.
- Collaborated with senior financial analysts to develop forecasting models that informed county budgeting and strategic planning.
- Played a key role in financial advisory teams, providing critical support for county projects and initiatives.

📚 Courses

Data Science, ALX May 2023 – present | Nairobi, Kenya
ALX's Data Science course offers technical skills in data science, focusing on a Professional website, Real- word projects to emphasize problem solving. It covers Excel, SQL, Python, Regression Analysis, Machine Learning, NLP, and AWS.

Google Cloud Fundamentals, Google Qwiklabs   Jul 2022 – Aug 2022
Gained in-depth understanding of Google Cloud products, services, tools, features, benefits, and use cases, including cloud concepts and capabilities.

Machine Learning, Stanford University - Coursera ✑   Dec 2021 – Jun 2022
A subfield of AI that leverages data and intersects with statistics, cognitive science, information theory, and probability theory.

Deep Learning, Duke University - Coursera   Nov 2021 – Mar 2022
Completed auditing a deep learning course at Duke University. Focusing on Deep Q Learning and its underlying mathematics. The course emphasized the significance of deep learning in advancing AI capabilities, particularly in decision-making and problem-solving applications.

Data Science Bootcamp, Data Is Good Academy - Udemy   Jun 2021 – Nov 2021
A blend of mathematics, business acumen, tools, algorithms, and machine learning techniques for uncovering hidden insights or patterns from raw data, key in informing big business decisions.

🎓 Education

BSc. Actuarial Science, Karatina University ✑   Feb 2012 – Nov 2016
Application of mathematical, statistical, probabilistic, and financial theories to solve future business problems.

🧠 Interests

- Artificial Intelligence and Deep Learning

- Game Theory

- Python & Julia programming Languages

- Cloud Technologies

🦠 References

Available Upon Request