Ibrahim Fadhili

Lane 26, Ruaka, Nairobi
+254757195104 | ibrahimfadhili46@gmail.com
🌐 https://github.com/Fadhili-Ibra
in https://www.linkedin.com/in/ibrahim-fadhili/

Objective

Highly skilled Business Intelligence, Data Science, and Machine Learning Engineer with a proven track record of driving innovation and optimizing business outcomes through advanced data analytics and AI-driven solutions. Seeking a challenging role in a forward-thinking organization where I can leverage my expertise in data engineering, statistical modeling, and machine learning to solve complex problems, deliver actionable insights, and contribute to strategic decision-making. Committed to applying cutting-edge technologies and collaborating with cross-functional teams to create impactful solutions that drive growth and efficiency.

Experience

- **Agile Business Solutions Ltd**   May 2024 - Present
  Data Scientist
  - Big Data Analytics Platform: Implemented a robust Big Data Analytics Platform utilizing Apache Kafka, Superset, Spark, and PySpark to process and analyze large datasets efficiently. The platform enabled real-time data streaming and visualization, providing actionable insights for business decision-making.
  - Team Leadership & Innovation Competition: Led a team of 12 members in an innovation competition, where we developed cutting-edge solutions and emerged as the best team, demonstrating strong leadership and collaborative skills.
  - Stock Prediction & Analytics Platform: Built a comprehensive Stock Prediction and Analytics Platform, integrating advanced predictive algorithms to forecast stock trends and support strategic business decisions.
  - Power BI Reports with Python Integration: Developed Power BI reports with integrated Python scripts for predictive analysis, enhancing the reports' capabilities with advanced data modeling and forecasting features.
  - Responsibility: Ensured seamless collaboration across the team, managing timelines, delegating tasks, and maintaining high standards of quality in all deliverables, leading to successful project outcomes and recognition in the innovation competition.

- **Africa for SDGs**   March 2024 - Present
  Data Manager (Volunteer)
  - Database Creation and Management: Spearheaded the development of a comprehensive database that tracks all fellows from 2022 to the present, ensuring data accuracy and accessibility.
  - Data Quality Assurance: Implemented data validation processes to ensure the integrity and accuracy of all data entered into the system, reducing errors and improving reliability.
  - Automation of Data Gathering: Transformed manual data collection processes into efficient digital forms, significantly reducing errors and improving data collection speed.
  - Data Analysis and Reporting: Generated regular reports and visualizations to support decision-making, using tools such as Power BI and Excel to analyze trends and identify actionable insights.
  - Data Security and Compliance: Ensured all data management practices adhered to relevant data protection regulations, implementing robust security measures to safeguard sensitive information.
  - Training and Support: Provided training to team members and fellows on data entry, digital tools, and best practices in data management.
  - Tech Mission Assistant Lead: Collaborated with developers in the Tech Mission initiative to create innovative applications addressing Sustainable Development Goals (SDG) challenges.

- **University of Nairobi**   Aug 2023 - Oct 2023
  Finance Intern
  - Conducted a thorough analysis of financial data to identify trends, discrepancies, and areas for cost optimization.
  - Collaborated with the Expenditure team to streamline invoice processing, reducing processing time.
  - Assisted in the implementation of a new expense tracking system, ensuring a smooth transition and minimal disruptions.
  - Worked closely with cross-functional teams to reconcile financial discrepancies and ensure accurate financial records.
  - Engaged in continuous improvement initiatives, suggesting process enhancements that contributed to increased departmental efficiency.

Education

- **Kisii University**
  BSc Actuarial Science   2023

- **WorldQuant University**
  Applied Data Science   2023
  A

- **Corporate Finance Institute**
  Certified Business Intelligence and Data Analyst   2023

- **Corporate Finance Institute**
  Certified Financial Modeling and Valuation Analyst   2022
  A

- **Young African Leadership Institute**
  Leadership and Development Studies   2022

- **Tekedia Institute**
  Mini-MBA Business Administration and Management, General   2021

Skills

- Artificial intelligence (Generative, ML - Predictive & Prescriptive, Deep Learning, Power Automate)
- Apache Kafka, Spark, Superset
- Azure ML & AI
- Data Platform Development
- Cloud Data Warehousing: Google BigQuery
- Data Integration (Data ingestion connectors for third-party services)
- Business Intelligence (Power BI, Tableau, Python, Google Studio)
- ETL/ELT Processes
- Advanced Excel (Google Sheets, Ms Excel, VBA)
- Data Pipelines (SQL & NoSQL Databases)
- Cross-Functional Collaboration

Projects

- **Smart Foresight**
  Designed and implemented a comprehensive tool that combines stock prediction, prescription, and data analytics to optimize financial decision-making for securities like AAPL. The tool uses predictive analytics to forecast stock performance, ensuring informed investment decisions. It also provides prescription recommendations based on data trends and analytics. By integrating advanced data analytics techniques, this tool helps investors and businesses make data-driven decisions, improving portfolio management efficiency and maximizing returns.

- **Amira - Customer Service Chatbot**
  Developed a customer service chatbot named "Amira" designed to enhance user experience by providing instant responses to customer queries. Amira was built using natural language processing (NLP) techniques and machine learning algorithms to understand and respond to a wide range of customer inquiries. The chatbot was integrated with multiple communication platforms, ensuring seamless customer support across various channels. Key features include automated responses, multi-language support, and personalized interactions based on customer data.

- **AI in Healthcare**
  Developed a simple AI tool designed to assist in the diagnostic process of patients by analyzing symptoms and suggesting potential diagnoses and prescriptions. The tool utilizes machine learning algorithms and a symptom-disease database to provide accurate and timely recommendations. The AI Diagnostic Assistant aims to support healthcare professionals by offering evidence-based suggestions, improving diagnostic accuracy, and streamlining the patient care process.

- **Hermès Analytica**
  Developed an interactive web app using Streamlit to automate the entire data analysis process, from data collection to delivering actionable insights. The app leverages NLP libraries to understand and process human language inputs, making it easy for users to interact with the tool. It streamlines data preprocessing, analysis, and visualization, providing a user-friendly interface for generating insights with minimal manual intervention. This project demonstrates the integration of advanced data analysis techniques with an intuitive, interactive web-based platform.

- **Pro Registro**
  Developed a VBA Macros-enabled inventory management tool tailored for small businesses to efficiently track and manage inventory records. The tool automates key processes, providing real-time insights into total sales, purchases, inventory value, and stock quantity. By offering automated key performance indicators, the tool empowers business owners to make informed decisions quickly. This project demonstrates proficiency in VBA for automating tasks and enhancing business operations through streamlined inventory management.

Achievements & Awards

- Agile Innovation Week Chapter One Winner Built Smart Foresight, a stock risk management and predictive analytics site. The Mean absolute error being less than 0.03

- National Product Design Competition Second Runners Up Took Pro Registro to the National league and emerged third position.

- Regional Product Design Competition Winner (ASSK) Built Pro Registro, a VBA solution that redefines the landscape of inventory management and automated data analytics.

- Ambassadorial Honor Managed the Young African Leadership Institute Kenyan Chapter spearheading initiatives to empower and uplift young leaders across Kenya.

Reference

- **Salame Khamis - Agile Business Solutions Ltd**
  Lead Data Analyst
  salame.khamis@agilebiz.co.ke
  +254799367087

- **Jayson Gor - Agile Business Solutions Ltd**
  Data Engineer
  jayson.gor@agilebiz.co.ke

Volunteering

- **Zindi Ambassador**
  Organizing data talks, bootcamps, data and hackathons.
  Training data enthusiasts on tools like SQL, PowerBI, Python, Tableau.
  Engaging in AI and Machine Learning talks as a Speaker.

- **Tableau Ambassador**
  Organizing data talks, bootcamps, data and hackathons .
  Training data enthusiasts on Tableau for data analysis.
  Engaging in AI and Machine Learning talks as a Speaker globally.