Pharaoh Kipkirui Chirchir

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Professional Summary

Results-oriented Data analyst with over seven years of professional experience in extracting, cleaning, transforming, analyzing, and visualizing complex datasets using Python, Tableau, SQL, Power BI, and Excel. Proficient in designing automated reporting solutions and showing patterns to drive data-informed recommendations to drive informed decisions.

Eager to leverage academic qualifications and practical experiences to develop scalable machine learning models to contribute effectively to analytical projects. Skilled at working with cross-functional teams and stakeholders to streamline organizational operations.

Key Achievements

- Awarded the Most Innovative Staff at CWS RSC Africa for designing and implementing six automated reports during the START system launch, enhancing operational efficiency and reducing case processing time by 40%, leading to the departure of more than 22,000 refugees.
- Developed a timeline trend report to check operations processing by tracking case progress from one task to another, discovering processing gaps, and reducing the average processing time from 50 days in 2023 to 29 days in 2024, enabling more departures of ready-to-depart cases.

Professional Experience

Operations Data Analyst Specialist

International Organization for Migration (IOM) | Sept 2022 – Present

- Engineered an automated interactive dashboard report in Power BI, increasing real-time monitoring for decision-making and reducing manual reporting by 80%.
- Refined seamless automated data pipelines using SQL and Python, enhancing data consistency during data mining, cleaning, and transformation.
- Spearheaded the development of a refugee management system in collaboration with UNHCR and government agencies, implementing interoperability for real-time tracking.
- Designed a dynamic timeline processing, dashboard for tracking document processing reducing airline block booking delays by 95% through trend analysis.
- Utilized predictive analytics and statistical analysis to forecast movement trends and to scale on resource allocation.

Senior Operations Analyst

CWS RSC Africa | Aug 2021 – Aug 2022

- Developed a predictive analytic model to predict refugee processing timelines, increasing stakeholder planning efficiency by 85%.
- Designed real-time Tableau reports, improving workload and quality assurance, leading to a 35% increase in workload efficiency.
- Implemented data governance protocols for securely managing data with sensitive personally identifiable information in compliance with data protection standards and guidelines.
- Led a team of seven analysts in rolling out 40+ Tableau and SQL Server reports to be accessed by 15 departments for the new START system.

Case Processing Analyst II
CWS RSC Africa | Apr 2020 – Jul 2021
- Automated data cleaning and transformation using Python, improving data integration into Tableau dashboards and other reports.
- Designed automated data cleaning and transforming reports using Python and Power BI, improving data integration to Tableau.
- Conduct in-depth data analysis using SQL, Python, and R to show trends, insights, and performance gaps for operational reports and stakeholder reporting.
- Collaborated with cross-functional teams to provide customized, scalable reporting solutions.

Case Processing Assistant
CWS RSC Africa | May 2018 – Mar 2020
- Optimized data workflows and reporting structures, reducing processing time by 30% while increasing the scalability of reporting systems.
- Designed visual reports tracking case drop-offs, aiding strategic planning for stakeholders.

Claims Analyst
Resolution Insurance | Jan 2017 – Apr 2018
- Developed a fraud detection model with 94% accuracy, minimizing risk in medical claims processing.
- Conducted financial reconciliations, streamlining operations accounts, and strengthening compliance and transparency in the payment systems.

Education
- **Master of Science in Data Analytics** – Nexford University *(Nov 2023 – Nov 2024)*
- **Bachelor of Economics and Statistics** – Chuka University *(Sept 2012 – May 2016)*

Technical Skills and Abilities
- **Programming and Data Analysis:** SQL, Python, R, Excel, Microsoft Dynamics ERP
- **Data Visualization:** Power BI, Tableau, ArcGIS Dashboards, Looker
- **Machine Learning:** Regression, Clustering, Time Series Forecasting, Predictive Analytics
- **ETL and Data Engineering:** Data Pipeline Automation, Azure, SQL Scripting, KNIME
- **Project Management:** Agile, Scrum, Kanban, Azure DevOps, Google Analytics
- **Soft Skills:** Data Storytelling, Communication, Problem-Solving, Diligence

Certifications
- **Career Essentials in Business Analysis** – Microsoft and LinkedIn
- **Becoming a Data Analyst** – LinkedIn Learning
- **Introduction to Business Intelligence** – Corporate Finance Institute
- **Career Essentials in Generative AI** – Microsoft and LinkedIn
- **Leadership and Management Extended Certificate** – UNSSC

References
Available upon request