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Work Experience

2024/10 – present
Nairobi, Kenya

Senior Data Analyst

PULA Advisors

- **Delivered \$3 M+ EUDR Geospatial Programme at 99 % client acceptance.**
Oversaw end-to-end execution of European Union Deforestation Regulation (EUDR) mapping projects—scoping, data ingestion, QC, and hand-off—meeting aggressive timelines while maintaining near-perfect quality.
- **Engineered an automated geospatial-QC pipeline.** Wrote and deployed Python/TensorFlow code that validates polygon geometry and topology in minutes, cutting manual review time by 90 % and underpinning the 99 % acceptance rate.
- **Built and launched a web-based polygon review platform (QGIS/ArcGIS-style).** Defined product requirements, steered cross-functional team (devs, GIS analysts, QA), and delivered a browser-native tool that supports multi-user editing, version control, and real-time validation.
- **Scaled deep-learning image classification to 2 M+ farm photos.** Designed a TensorFlow inference pipeline (GPU-accelerated) that flags image defects and verifies farmer-ID card presence, saving ~6 000 analyst-hours per month.
- **Drove agri-insurance analytics that generated \$2 M in revenue.** Led eight data analysts to analyze data from farms and calculate potential payouts to insured farmers; findings directly informed underwriting decisions and product design.
- **Produced remote-sensing crop-development reports.** Integrated multispectral satellite data with in-field observations to validate yield-loss claims, improving payout accuracy and bolstering insurer confidence.
- **Championed AI & automation across Field Operations.** Identified high-impact use cases, secured budget, and delivered pilots that reduced field-data-collection cycle time by 40 %.
- **Influenced external stakeholders.** Presented AI-for-agriculture use-cases to the Michael & Susan Dell Foundation, highlighting job-creation potential and securing executive sponsorship for further innovation.

2023/04 – present
Nairobi, Kenya

Data Analyst - SAFE and Impact Department Coordinator

African Mission Healthcare

- **Research**
 - Collaborated with Partner Hospitals to calculate impact of the Surgery Sponsorship program on Emergency C-sections, through the analysis of the Decision to delivery Intervals
 - Pioneered the assessment of Impact of the Surgery Sponsorship program using Disability Adjusted Life Years (DALYs)
 - Collaborated with the Duke Research team for the DALYs analysis
 - Assessed the impact of Simulation Trainings in various partner hospitals on obstetric cases
- **Data Management:**
 - Conducted comprehensive data analysis of organization's publications, ensuring accuracy and reliability.

- Developed and implemented data cleaning and optimization techniques to enhance data quality. Created multiple data driven solutions for the various departments which ranged from creating surveys to operational solutions like budget and task tracking solutions for the team.
- Managed the Organizations various project plans (multiple) ensuring that they were working smoothly and even created automations for easier Project Management. Worked as a link between the finance department and the Project Managers to ensure that the finances from the various project plans were consistent and compliant.
- Assessed the organization's data needs and made recommendations on adopting a central database which was taken up and Salesforce database was adopted. Also created a schema and a data dictionary.
- **Logic Modeling and Impact Measurement:**
 - In Collaboration with the various departments we formulated Log Frames and Indicators for both the organization and for departments the, facilitating impact measurement and evaluation. We also created the organizations problem and solution trees which helped highlight the organization's long term strategic goals.
 - Collaborated with the Impact Team and other Key Stakeholders to define 2 programs in terms of result based Management: Surgical Capacity Building Initiative and the Management Advisory Program
 - We are in the process of training the various departments on the log frames and indicators.
- **Geospatial Analysis:**
 - Conducted comprehensive catchment area analyses for multiple partner hospitals in Africa, employing geographical and buffer methods.
 - Generated insights to support strategic decision-making and resource allocation.
- **Database Development:**
 - Proposed and created a Salesforce database schema for streamlined data storage and management.
 - Created a comprehensive data dictionary and organizational indicators for performance measurement.
 - Collaborated with Impact team members to create data protection policy.
- **Project Management:**
 - Monitored project progress, ensuring alignment with plans and resource optimization.
 - Managed project budgets, scope, and change requests for optimal outcomes.
 - Managed the smartsheet platform where the organization hosted its data. Created Multiple solutions on the platform such design of project plans, and Financial disbursement trackers
 - Introduced RAID logs and task scheduling for enhanced task assignment and accountability.
 - Created a Grant Management Solution which kept track of the Organizations Grants and also monitored the Exchange rates for Local currency vs USD since grants were mainly given in USD. These aimed at tracking budget overruns or surpluses
 - Improved the organizations Grant Application forms and automated the grant application process which significantly reduced the duration between Application and Grant award.
 - I have worked with the partner hospitals in preparing their grant applications ensuring that they were compliant with the organization's compliance guidelines.
- **Dashboard Creation/Business Analytics:**
 - Developed visually intuitive dashboards for departments to monitor expenditures and key statistics across partner hospitals.
 - Conducted a the Organization's portfolio analysis of and created dashboards in Power BI highlighting profiles, financials, and active projects. These highlighted the hospitals' performance and alignment with the organizations strategic goals.

- **Student Affairs:**


- As an Intern, I oversaw comprehensive student affairs, managing fee payments, stipend disbursements, scholarship signings, and grant preparations.
- Designed training manuals for partners to ensure consistent and high-quality interactions with hospitals.
- Created assessment manuals, streamlining the evaluation process for student performance during exams.
- Developed survey tools for data collection, conducted data cleaning and analysis, and prepared reports and presentations.

- **Compliance and Auditing:**

- Conducted audits of partners to evaluate compliance with established standards and guidelines in the Sponsored surgeries Program. This involved tracking finances and also the details of surgeries to ensure that details matched
- Identified areas for improvement and collaborated with stakeholders for necessary revisions.

2021/04 – 2021/06
Nairobi, Kenya

Intern - Data Engineer

LUX Actuaries and Consultants - Kenya 

- Through attention to detail I identified missing records, matured policies, and calculated premiums for over 5000 life insurance policies, ensuring data completeness and accuracy.
- Conducted thorough verification of claim sizes for policy validation, contributing to enhanced data reliability.
- Implemented rigorous data validation processes to identify and rectify inconsistencies in over 1000 policies, ensuring data integrity.
- Collaborated with team members to ensure consistency between the electronic database and physical policy files, facilitating the insurance firm's transition to a fully electronic file system.
- Received commendation from project lead for dedication, attention to detail, and contributions to project success.

Technical Skills:

- Data Analysis
- Quality Assurance

Communication and Collaboration:

- Effectively collaborated within a team environment to achieve project goals and meet deadlines.
- Demonstrated clear communication skills in conveying findings and recommendations to project leadership.

2019/12 – 2023/04

Freelancer

Key Achievements:

- Cultivated and sustained long-term client relationships by effectively managing expectations and delivering tailored solutions to meet their evolving needs.
- Conducted extensive data collection and engineering tasks, including web scraping and API integration, to populate databases with relevant information for analysis.
- Applied machine learning algorithms, including regression and classification models, to perform predictive analysis on various datasets, including cryptocurrency futures, student performance, real estate prices, and date fruit classification.
- Utilized exploratory data analysis techniques to uncover insights.
- Designed and developed interactive dashboards using Tableau and Power BI, providing clients with intuitive visualizations to understand complex datasets, such as customer sales patterns and healthcare trends pre and post-COVID-19 pandemic.
- Conducted sentiment analysis on hotel reviews to extract actionable insights and provided recommendations to improve customer satisfaction.
- Provided guidance to clients in writing research papers, ensuring accuracy and clarity in communicating findings.



Technical Skills:

- Programming: Python , R , SQL
- Data Visualization: Tableau, Power BI, ggplot2
- Machine Learning: Regression, Classification, Time Series Analysis,
- Data Collection & Engineering: Web Scraping, API Integration, Database Management
- Sentiment Analysis, Deep Learning.
- Version Control: Github, Gitlab and BitBucket




Client Management & Communication:

- Proven ability to manage client expectations and communicate technical concepts effectively to non-technical stakeholders.
- Experienced in guiding clients through the research process, from data collection to insights interpretation and report writing.

Education

2024 – present	Msc Data Science <i>University of East London</i> Currently pursuing a Master's degree in Data Science at the University of East London.
Juja, Kenya	Bachelor of Science in Actuarial Science (Bsc.) <i>Jomo Kenyatta University of Agriculture and Technology</i> 
Nairobi, Kenya	Kenya Certificate of Secondary Education(KCSE) <i>Nairobi School</i> 
Kisii, Kenya	Kenya Certificate for Primary School Education(KCPE) <i>Elimu Academy</i>

Certificates

Google Certified Professional Data Analyst 	Python and Statistics For Financial Analysis 
IBM Data Science Professional 	Monitoring and Evaluation Global E-Learning Center
Monitoring and Evaluation AMREF International University	

Skills

Database Management. ● ● ● ● ●

I can create and manage databases using SQL and tools such as Microsoft Access, MySQL and Postgres. Can enter manipulate and retrieve data from a database.

Data Visualization ● ● ● ● ●

I can generate various attractive and insightful plots plots or charts from the attributes of the data provided.
I can present the data in form of single plots, dashboards and story boards.
I able to utilize tools such as Tableau, R and Python to generate the plots.

Life Insurance Policy Management ● ● ● ● ●

Excellent Experience managing life insurance policies that is; underwriting, tracking the various claims made on the policies, loans made in each policy and their maturity.

Data analysis and Reporting ● ● ● ● ●

I am able to import data, preprocess; include finding and dealing with missing data, inconsistencies and deal with outliers.
I am also capable of extracting statistical insights from the data provided.

Machine Learning ● ● ● ● ●

Depending on the task at hand, I can utilize machine learning models to carry out predictions on the data provided.

Programming Languages/ Tools

Python ● ● ● ● ●

R ● ● ● ● ●

Tableau ● ● ● ● ●

SQL ● ● ● ● ●

Microsoft Packages/Google Suite ● ● ● ● ●

Strengths

Effective Communication

I can exchange ideas, thoughts, knowledge, and information in such a way that the goals at hand or objectives is met to the best of my and everyone's ability.

Creative Problem Solving

I can efficiently define a problem, determine the cause of the problem, identify, prioritize and select alternatives for a solution and implement a solution.

Team Player

I can effectively work in a team to improve each others skills and meet the set objectives for the job we are working on.

Attention to Detail

When completing projects, I efficiently deploy my cognitive resources to attain thoroughness and correctness.

Objective/Goal - Oriented

Once I am determined to do something, nothing that comes my way or will prevent me from achieving it even if it means learning about it from scratch.

Languages

• English

• Kiswahili

References

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