Keneilwe Rangwaga

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Midrand

OBJECTIVE/SUMMARY

Aspiring data professional leveraging technology to solve complex problems. Skilled in data analysis, cloud computing, and project leadership with expertise in SQL, Python, and visualisation tools. Driven by continuous learning and delivering impactful results.

EDUCATION

Certificate in Data Science

ExploreAI(Sands) Academy, Remote | JAN 2024 – DEC 2024|Focused on Python, SQL, and data visualisation, Unsupervised/Machine learning and Classification and NLP.

Certificate in AWS Cloud Computing

AWS Training and Certification, Remote | Ongoing

Diploma in Animal Sciences

Tshwane University of Technology, South Africa | FEB 2019 - FEB 2022

Matriculant

Kgola ka leleme High School, South Africa | JAN 2018 - DEC 2018

EMPLOYMENT HISTORY

Intern, Sand Technologies
Remote
SEP 2024 – Present

Intern, ExploreAI Academy
Remote | JAN 2024 – DEC 2024

➔ Collaborated on diverse data science projects, gaining hands-on experience in Python, SQL, and data visualisation. Developed predictive dashboards for environmental data, delivering actionable insights to stakeholders.

General (Practicals)

MakheforaMatsarene Investment Group **Pty(Ltd),**South Africa, Limpopo(Letsitela) | FEB 2021 – FEB 2022

➔ Oversaw poultry house operations and implemented data management systems using Excel. Ensured product quality and efficiency in daily operations.

SKILLS

Technical Proficiency

➔ **Programming**: SQL, Python, and Libraries like Scikit-learn, Pandas, Numpy and Seaborn.
➔ **Visualisation:**Power Bi, Google Sheets, and Microsoft Excel
➔ **Cloud Computing:** AWS cloud computing fundamentals

Soft Skills

➔ Problem-solving, adaptability, teamwork, and effective communication.

Team Management

➔ Led teams to achieve project goals by delegating tasks, setting objectives, and promoting collaboration.

Adaptability

➔ Efficiently adjust to changing environments, swiftly acquire new skills, and handle evolving challenges with ease.

PROJECTS : @ExploreAi Academy

Access to Drinking Water Project

➔ **Description:** Investigated access to safe and affordable drinking water, focusing on inequalities across countries and regions.
➔ **Key Contributions:** Analysed data from WHO, UNICEF, and JMP; conducted analysis in Google Sheets; created flowcharts and pseudocode.
➔ **Skills:** Data analysis, Google Sheets, flowcharts, pseudocode.
➔ **Outcomes:** Provided insights into global water access inequalities and sanitation challenges.

Majin Dongo Water Crisis Project

➔ **Description:** Series project on Maji Ndongo's water crisis, divided into three parts: data exploration, generating insights, and visualising findings.
➔ **Key Contributions:** Explored data with SQL, generated ERD, integrated audit reports, built

complex queries, summarised insights, created visualisations with Power BI.

➔ **Skills:** SQL, data aggregation, data visualisation, MySQL, Power BI, Jupyter Notebook.
➔ **Outcomes:** Provided actionable insights, visualised crisis impacts, and communicated findings transparently.

Vegetable Price Analysis Project

➔ **Description:** Analysed vegetable prices for 2023-2024 to uncover trends and influencing factors.
➔ **Key Contributions:** Project manager, Set up the coding environment, conducted EDA, data cleaning, evaluation, and hypothesis testing.
➔ **Skills:** Python, EDA, data visualisation, hypothesis testing, GitBash, GitHub.
➔ **Outcomes:** Delivered insights for stakeholders, enhanced understanding of price dynamics.

Classification Model Project

➔ **Description:** Developed and deployed a classification model using Python and Streamlit to enhance the organisation and accessibility of news articles.
➔ **Key Contributions:** Performed EDA, trained and evaluated models, deployed the best model as a web application.
➔ **Skills:** Python, EDA, NLP, machine learning, Streamlit.
➔ **Outcomes:** Improved content organisation and user experience.

Recommender Systems Project
Anime Oracle App

➔ **Description:** Developed an anime recommendation app using unsupervised machine learning techniques to provide personalised anime suggestions to users.
➔ **Key Contributions** :Organised and led team meetings to ensure smooth project progress, Managed data preprocessing and ensured data quality for accurate analysis
➔ **Skills:** Python, EDA, data cleaning, model development, App development, team leadership, project management, GitBash, GitHub.
➔ **Outcomes:** Successfully developed and deployed the Anime Oracle app, providing

valuable recommendations to anime enthusiasts and delivering insights for stakeholders.

River Health Project **@Sand Technologies**

➔ **Description:** Collaborative project focused on river health monitoring through cloud-based data storage and geospatial mapping.
➔ **Key Contributions:** Connected to AWS S3 buckets for data storage, Data Analysis, and analysed water quality data to produce actionable insights.
➔ **Skills**: Cloud computing (AWS S3), API integration, data analysis, geospatial visualisation.
➔ **Outcomes:** Successfully deployed an app that visualises High risk discharge points, pollutant levels and provides valuable predictions regarding future pollutant discharge rates, enabling stakeholders to make informed decisions for environmental management.

REFERENCES

➔ **Mr LB Mohale**:Manager @MakheforaMatsarene investment group | 0732564690
➔ Mr T Mokoloane:Assistant Manager @Adidas hillfox Fo +27 832509643
➔ Mr E.Malunga:Specialist(data scientist) @Telkom Soc SA | +27 78 145 5036

INTERESTS AND HOBBIES
➔ Storytelling
➔ Member of Fountains Melody Choir

LICENCE
➔ Code 10, driver's licence

PROFILES

➔ *Linkedin*:www.linkedin.com/in/keneilwe-rangwaga14112004
➔ *GitHub*: https://github.com/keneilweRangw
➔ **Portfolio:** https://keneilwerangw.github.io/My_Portfolio/home.html