Keneilwe Rangwaga

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Midrand

OBJECTIVE/SUMMARY

Aspiring IT professional with a Certificate in Data Sciences and current studies in AWS Cloud Computing, eager to contribute and grow in cloud technologies. Skilled in data analysis, problem-solving, and project leadership, with a strong foundation in SQL, Python, and cloud-based applications. Driven by a commitment to continuous learning and delivering high-quality results.

EDUCATION

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

Diploma in Animal Sciences
Tshwane University of Technology, South Africa
FEB 2019 - FEB 2022

Certificate in Data Sciences
ExploreAI Academy, South Africa
Jan 2024 - Dec 2024

Certificate in AWS Cloud Computing
Sand Academy, South Africa
Ongoing

EMPLOYMENT HISTORY

General (Practicals)
MakheforaMatsarene Investment group Pty(Ltd),
Limpopo(Letsitela) *FEB 2021 -FEB, 2022*
➔ Oversaw poultry house operations and animal welfare, implemented an Excel-based data system for efficient information management, and ensured the delivery of high-quality, fresh meat products.

Intern, ExploreAI Academy
Remote
Jan 2024 – Present

SKILLS

- **Technical Proficiency**
  - ➔ Proficient in SQL, Python, and data visualisation tools like Power BI, cloud computing fundamentals, Google Sheets, and Microsoft Excel.
- **Good communication**
  - ➔ Good verbal and written communication skills, adept at conveying complex information clearly and effectively.
  - ➔ **Problem Solving**
    Skilled in identifying and resolving issues, analysing complex data, and optimising processes for greater efficiency.
- **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

1. 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.
2. 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.

3. 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.

4. 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.

5. Recommender Systems Project

Project Name: Anime Oracle

- ➔ **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.

6. River Health Project
- ➔ **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

1. Mr LB Mohale:Manager @MakheforaMatsarene investment group
- ➔ 0732564690

2. Mr T Mokoloane:Assistant Manager @Adidas hillfox Fo
- ➔ +27 832509643

2. Mr E.Malunga:Specialist(data scientist) @Telkom Soc SA
- ➔ +27 78 145 5036

INTERESTS AND HOBBIES

- ➔ Hiking
- ➔ Storytelling
- ➔ Member of Fountains Melody Choir

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- ➔ Code 10

PROFILES

- ➔ *Linkedin*:www.linkedin.com/in/keneilwe-rangwaga14112004
- ➔ *GitHub*: https://github.com/keneilweRangw