BONAKELE MDLETSHE

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PROFESSIONAL SUMMARY

I am a data science practitioner with hands-on experience in data cleaning, data analysis, data visualization, and machine learning. I am passionate about leveraging data into actionable insights that support business decision-making. With a foundation in Python, SQL, Excel, and Power BI, I aim to grow my expertise while contributing meaningfully to dynamic, data-driven teams.

WORK EXPERIENCE   2024 – PRESENT

DATA SCIENCE PRACTITIONER INTERN – EXPLORE AI

Project: Anime Recommender System
- Developed a recommendation system for anime using both **content-based** and **collaborative filtering** techniques.
- Implemented **KNN Baseline mode**l for similarity-based recommendations.
- Deployed the app using **Streamlit** to allow users to receive real-time anime suggestions.
- Tools: **Python (Scikit-learn, Pandas), Seaborn, Streamlit**

Project: Water Quality Classification
- Built a machine learning model to classify water quality using Kaggle data.
- Deployed the app using Streamlit to allow users to receive real-time water quality.
- Tools: **Python (Pandas, Scikit-learn), Matplotlib, Power BI**
- Achieved 98% accuracy using Random Forest Classifier.

EDUCATION   2018 – 2022

University of the Witwatersrand, South Africa
Bachelor of Science (BSc) - NQF Level 7
Majors: Animal Science, Plant Science, Environmental Science

CERTIFICATIONS   2023

Introduction to Coding – SheCodes (Completed)
Languages**:** HTML, CSS, JavaScript

SKILLS

Languages & Tools:** Python, SQL, Excel, HTML, CSS, JavaScript, Power BI, Matplotlib, Seaborn, Scikit-learn, MLOps.

Technical Skills: Data Cleaning, Data Analysis, Data Visualization, Feature Engineering, Predictive Modeling, Hypothesis Testing, Deployment, Jupyter Notebook, MySQL / PostgreSQL, Supervised learning, Unsupervised learning, Git, Github.

Soft Skills: Problem Solving, Communication, Team Collaboration, Time Management, Empathy, Adaptability, Fast learner.