Fhatuwani Makharamedzha

✉ FhatuMakhara@gmail.com   📞 0685528943   📍 Pretoria, South Africa

in linkedin.com/in/fhatumakhara15

Professional Experience

Intern Data Analyst, *Council for Scientific and Industrial Research*
09/2024 – 03/2025
Pretoria, South Africa
- Google Colaboratory, Data Preparations, Data Exploration, Data Visualisation, Machine Learning, Develop Models, Algorithms, Hyperparams, Training Data, Testing Data, Automated Data Processing, Artificial Intelligence,Natural Language Processing(NLP), Dashboard, PowerBI .

Intern Software Developer, *Council for Scientific and Industrial Research*
09/2024 – 03/2025
Pretoria, South Africa
- Python, Flask, SQL, Java, Springboot Framework, Php, Laravel Framework,HTML,CSS Mobile Development, Migrations, Database, PostgreSQL, PostMan, Linux Ubuntu, Terminal, Virtualbox, Readme, Controllers, CRUD, Dependency Injections, Python, Libraries, Debugging, Testing.

Education

Diploma in Information Technology, *Vaal University of Technology*
02/2021 – 11/2023
Vanderbijlpark,
South Africa
Major Software Development and Business Analysis | Graduated 04/2024
Modules Web Development, Information Systems, Programming Logic

Projects

Enquiry Virtual Assistant, *Using Python Programming Language* 🔗
present
- Analyzed and visualized data using Python (Pandas, NumPy) and Power BI.
- Created User Interface using Html, Css and Javascript.
- Developed machine learning models for data-driven insights.
- Built a Flask-based chatbot with NLP and fuzzy matching for improved response accuracy.
- Managed PostgreSQL databases for chatbot interactions and user data.
- Implemented cybersecurity measures, including data encryption, penetration testing (Burp Suite, Nessus), and Splunk logging.

Obesity Levels and Types, *Data Analysis Using Regression Machine Learning*
- Accessed the DataSet in Csv for Obesity Issues to be explored for modelling.
- Explored and Cleaned The Obesity Dataset Using Python and Pyhton Libraries(Pandas, Numpy, Matplotlib).
- Encoded the Categorical Variables and Normalised the Dataset.
- Split the Dataset for training and testing.
- Introduced a Linear Regression Model for Prediction.
- Implemented Performance/Evaluation Metrics(MSE, RMSE, R2)
- Checked for Coefficients in th Dataset.
- Deployed the model.

References

Rendani Mbodi, *Senior Software Developer,* Council for Scientific and Industrial Research.
rmmbodi@csir.co.za, 0662976056

Gareth Edwards, *Data Scientist,* Council for Scientific and Industrial Research
gedwards@csir.co.za, 021 888 2634