Fhatuwani Makharamedzha

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Professional Experience

Intern Data Analyst, *Council for Scientific and Industrial Research* 11/2024 – present
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 – 11/2024
Pretoria, South Africa

- Java, Springboot Framework, Php, Laravel Framework, 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
Major Software Development and Business Analysis. Vanderbijlpark,
Modules Web Development, Information Systems, Programming Logic - 72% GPA. South Africa

Projects

Hospital System, *Using Laravel(PHP) Framework*

- Designed and Developed a Full stack Hospital System for opening profile for possible patients using PHP, HTML AND CSS , Laravel framework.
- Project Following CRUD prosesses for the Database and Login Features.
- Implemented Authentication and Authorization using Laravel Breeze.
- Used PostgreSQL for the Database and the Server for access and Migrations.

Event Planner Application, *Using Python Programming Language*

- Designed and Developed a Back-End Application for events Using Python.
- Project Developed using Object Oriented Programming.
- Used DataBase internally to save the Information

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