THABANG MOKOENA

METALLURGIST | DATA SCIENTIST

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My Profile

Data Scientist familiar with gathering, cleaning, and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic, and other analytical techniques. Highly organized, motivated, and diligent with significant background in python programming and statistical analysis.

Experience

BCX 2022 – To Date
Data Science Intern: Admin - CMO Support

- Data analysis for customer experience surveys and creating Power BI Dashboards for internal stuff.

- Development of a 'Single Pane Of Glass' for a network system server using Apache Spark and Apache Hive.

Nkomati Mine 2014 - 2018

Graduate Metallurgist

- Conducted processing plant metal accounting.

- Documented physical and chemical properties of materials before, during and after completing standardized tests.

- Planned and evaluated new projects, consulting with otherengineers and corporate executives as necessary.

Education

2022	Certificate
ExploreAI Academy	National Certificate: System Development
2013	**Degree**
Witwatersrand	BSc in Engineering (Metallurgy & Materials)

Technical Skills

- Python
- SQL
- Spark
- Power BI
- Supervised Learning
- Unsupervised Learning
- Statistical analysis

Soft Skills

- Problem Solving
- Leadership
- Collaborative
- Communication
- Time Management
- Team player
- Conflict Management

Projects

- Analyzed ESKOM's energy supply data to gain insight into critical issues facing ESKOM's energy supply using Power BI.

- Built a classification model to analyze tweets sentiments regarding climate change. Deployed a streamlit application for the tweet classifier, hosted on AWS EC2 instance.

- Using NLP, built a model that identifies any of South Africa's official languages within a given text.Built a movie

- recommendation application using content and collaborative-based filtering.

- Built a regression model to predict load shortfall for Spain Cities using Sklearn libraries.