

Elelwani Tshikovhi

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WORK EXPERIENCE

Data Scientist Trainee learnership // FNB, [Johannesburg]

[2022/01] - [current]

- Collecting, managing, and onboarding data from source to useful data(database) (ETL) using various platforms SQL, Teradata, Oracle, Hadoop Distributed File System, Hive, Kafka, Spark.
- Data visualization using excel, PowerBi and python
- Building supervised and unsupervised models using python, Apache Spark, Keras and TensorFlow.

BA1 Home loans Learner Consultant // ABSA, [Auckland Park]

[2020-11] - [2021-12]

- Data Capturing, auditing of security bond documents
- liaising with attorneys and providing key responsibilities with stakeholders (metro file, docex)
- Manage to help change the systems to be more digital than analog

Mathematics Assistant Teacher // Ridgeway College, [Louis

Trichardt]

[2014/02] - [2014/12]

- Marking and exam setting
- Achieved 99% pass rate
- Looking after learner s school and mental well being

Administration Assistant and Mathematics Tutor// Rabboni

Distinct au pair, [Pretoria]

[2017/04] - [2019/06]

- Organizing of tutors and students
- Time sheets logs, Achieve increase in revenue and student intake
- Student pass rate increased

EDUCATION

**[NQL 5 INFORMATION TECHNOLOGY SYSTEM DEVELOPMENT
[DATA SCIENCE]**

[Explore Data Science Academy], [Johannesburg]

[2022/17-current]

[NQL 5 HIGHER CERTIFICATE IN BANKING SERVICES

[MILPARK Education], [Melville]

[2020/11-2021/11]

OBJECTIVE/SUMMARY

Seeking a challenging role as a Junior Data Analyst/scientist/ Engineer where I can use my experience and knowledge of advanced mathematical concepts and statistics with predictive analytics, machine learning and data visualization to help your organization create accurate business models and insights.

I am a driven and aspiring individual who has great analytical and problem-solving skills. Able to work independently as well as part of a team, able to produce creative and innovative ideas. Strong programming skills in Python, MATLAB, SAS, and SQL

SKILLS

- Programming: PYTHON, MATLAB, OCTAVE, SAS, HTML and SQL
- Data Visualization: Excel, Google sheets and Power BI
- Soft skills: Innovative, Time management: communication, empathy, Critical thinking, Presenting skills, good attention to detail, Development skills
- Supervised and Unsupervised ML algorithms
- GitHub, Streamlit
- Microsoft Office Packages: Word, Excel, PowerPoint, Teams, Access and Outlook
- Teradata and ABINITIO skills ETL SKILLS

CERTIFICATIONS & LICENSES

[ENTREPRENEURSHIP COURSE]

[Investec Startup school]

[2019]

[READY FOR WORK]

[University Of Pretoria]

[2019]

[SAS 1 essential certificate]

[SAS Academy]

[2020]

[AWS certified Cloud Practitioner]

[AWS Academy]

[2022/08 – 2025/08]

[NQL 7 BSC MATHEMATICS

[University Of Pretoria], [Pretoria]

[2015/01-2020/06]

- ALIVE ministry society vice chairperson

[NQL 4 CAMBRIDGE Matriculation AS LEVELS]

[Ridgway College], [South Africa]

[2009-2013]

- Student Council committee member community Engagement portfolio
- Peer supporter member

Projects

Supervised Regression: Spain load shortfall:

Predicting Spain load shortfall using regression models and help Spain take more action towards renewable resources to sustain the energy crisis using Python and tools such as Scikit-learn, matplotlib, pyplot etc. Deployed the model via AWS and flask.

Link to GitHub ([Explore-Regression-Team-CBB3](https://github.com/Explore-Regression-Team-CBB3)
(github.com))

Supervised Classification: Climate change:

Classifying Twitter Sentiment for climate change into 3 categories using classification models and showcasing the model accuracy through Streamlit App and deploy via AWS.

Link to GitHub ([TEAMCBB3Classificationpredict](https://github.com/TEAMCBB3Classificationpredict)
(github.com))

Supervised Classification: South African language Identification Hackathon.

NLP classification of text of various languages to using NLP libraries and text cleaning techniques (tokenization, stemming and lemmatization) etc.

link to

github(<https://github.com/Ellelwanitshikovhi/Language-Identification-Hackathon.git>).

Unsupervised: Movie Recommender systems

Creating a recommender system using algorithms (collaborative and content) to best recommend movies to clients using surprise library etc. and showcase the accuracy of algorithms on a Streamlit app deployed in AWS.

Link to GitHub: [The Dream Team \(github.com\)](https://github.com/TheDreamTeam)

Credrails Banking Transaction Categorizer Challenge by #ZindiWeekendz ML:

To categorize banking transactions into categories and subcategories. Being able to categorize the transactions for any bank statement will help us create a categorization model that can categorize any transaction on our platform and provide world-class analytics to our customers.

Link to github: <https://github.com/Ellelwanitshikovhi/creadtrails-hackathon>