



THUSANI
KHWANDA

PROFILE

A proud One young World Ambassador and An Experienced Data Scientist with a demonstrated history of working in the financial services industry. Skilled in machine learning, leadership, Data Science, Team Building, and python. Strong Mathematical background and information technology professional with a B.Sc. Mathematical Science and Computational intelligence for industry focused in Data Science from University of Johannesburg.

CONTACT

PHONE:
+27730221101

LINKEDIN:
www.linkedin.com/in/ThusaniKhwanda

EMAIL:
thusanik@gmail.com

ACHIEVEMENTS

2020

Invited to speak about AI and Machine Learning at the AI machine learning Africa conference 2020

2019

Selected by Risk insights to attend One Young World in London- an event where young leaders around the world meet to collaborate and in order to meet the sustainable development goals by 2030.

2014

RCL at Hoerskool Vorentoe and chess captain for 2 years

WORK EXPERIENCE

Risk Insights

Data Scientist-Team Lead

2019–Present

Machine learning

-Develop Machine learning models (Decision trees, Support vector machine, K-Means clustering, Regression) using Scikit-learn libraries in python.

-Use Cloud technologies such as Microsoft Azure machine learning to build, validate and deploy Machine learning Models

-Use SEIR modelling in python for infectious diseases to do analysis on covid-19 Data

Natural language Processing and Sentiment analysis

-Work with an Amazing team as Team lead data Scientist on ESG (Environmental Social and governance) where we use Machine learning and Deep learning algorithms to give a rating based on their ESG principle.

-Build algorithms that extract text from pdf documents using NLTK library, analyzing text and converting it to numerical values for further analysis, extracting key words in text data and topic of the document using LDA. Lemmatization and tokenization

Introduction to Data Science and machine learning training.

-Develop training courses for Introduction to python for data science and machine learning

Sales report

-Use QlikView to extract data and do sales report on organic products

Power BI dashboards

-Produce dashboards for ESG using text and numerical data.

CSIR (Council for scientific and Industrial research)

Junior Data Scientist

2018–2019

DSIDE(Data Science for impact and decision making) training programme

- Work on project about internet access by different geographical locations and different population groups in south Africa, using python and matplotlib and high charts to visualize Data

EDUCATION

University of Johannesburg

2015-2018

Bachelor of Science in Mathematics & Applied mathematics

University of Johannesburg

2019-2019

Computational intelligence for industry Data science (NQF 8)

KEY SKILLS AND CHARACTERISTICS

- Python, R,Excel
- Machine Learning, Natural Language processing
- Probability and statistics
- Data Visualizations
- Scikit Learn, Tensor flow, Keras
- Power BI
- Microsoft Azure ML
- SQL