

ALLIE UBISSE

Data Scientist

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SUMMARY

Exposure to data science with hands on projects experience, applying an agile project management strategy. Keen to work as a team/individual and adaptive to various working environments.

SKILLS

- Python3 (**Numpy, Pandas, Sklearn, Matplotlib**)
- Pyspark, spark-MLlib
- C++, Java
- Microsoft SQL Database
- ETL Pipeline and Data Analysis
- Machine Learning (**Supervised, Unsupervised**)
- Deep Learning (**Tensorflow** with **Keras**)
- Model Deployment (**AWS Cloud**)
- Agile project management
- Git and GitHub
- Microsoft **PowerBI**
- AWS Cloud (**EC2, RDS, S3**)
- MLFlow and Comet
- Linux OS (**Ubuntu, CentOS7**)
- High Performance Computing
- Web APIs (**Flask Api, Streamlit**)

WORK EXPERIENCE

01/2020 to present

Data Scientist Intern

Explore Data Science Academy - Cape Town, Western Cape

- Building data gathering ETL Pipelines through Web Scraping with AWS RDS storage.
- Data Analysis and building Dashboards utilizing Microsoft Power BI.
- Building predictive models for Supervised and unsupervised tasks with Machine Learning and Deep Learning.
- Deploy models utilizing Flask API, Streamlit and AWS cloud EC2 instances.
- Write project reports and communicate findings.

EDUCATION

Expected - 11/2020

Data Scientist Trainee

Explore Data Science Academy - Western Cape

- **Coursework** in Data Gathering, Data Analysis, Communication, Machine Learning and AWS cloud tools.
- **Includes:** SETA NQF Level 5(48872) and AWS Certified Cloud Practitioner

11/2019	Honours Computer Science University Of Limpopo - Limpopo <ul style="list-style-type: none"> • Partial degree with a pending research. • Majored in Computer Networks, Advanced Database, Software Engineering and Artificial intelligence.
04/2019	Bachelor of Science in Mathematical Science University Of Limpopo - Limpopo <ul style="list-style-type: none"> • Majored in Computer Science, Physics
11/2014	National Senior Certificate NQF LEVEL 4 Tikhontele Secondary School – Mpumalanga

PROJECTS

TEAM OF 5 | 3 WEEKS

Climate Change Belief Analysis – Multi-Classification Task

- Build and deploy a Natural Language processing system for Twitter sentiment analysis to help marketing company understand their customers beliefs towards climate change. Unbalanced data with Threshold F1-weighted 70% and final model achieved F1-weighted 75% accuracy.
- **Tools:** Python3, Spacy, NLTK, Scikit-learn, Bag-of-Words, TF-IDF, SVD, TensorFlow with Keras, Word2vec, Pre-trained Bert model, AWS EC2, Streamlit, comet, GitHub.

TEAM OF 5 | 4 WEEKS

Sendy Logistics Challenge - Regression Task

- Build and deploy a Predictive model to estimate the expected time of arrival at destination for Nairobi motorbikes deliveries. Threshold RMSE 570 and final model CatBoost achieved RMSE 543.7 which ranked the team position 9 out of 177 teams model benchmarks.
- **Tools:** Python3, pandas, matplotlib, seaborn, Scikit-learn, AWS EC2, Flask API, GitHub

TEAM OF 5 | 3 WEEKS

Movie Recommendation system – Unsupervised Learning Task

- Build a recommendation system to give customers a personalized movie experience using the Movie lens and Imdb Big Data with 15 Millions+ rows. Results achieved RMSE 0.83.
- **Tools:** Python3, pandas, matplotlib, TF-IDF, Matrix Factorization, Surprise Framework, Tensorflow Keras, PCA, Kmeans-Clustering, AWS EC2, Streamlit, GitHub.

More details on projects are available upon request

INTEREST

Machine learning hackathons | hiking | reading data science blogs

ADDITIONAL INFORMATION

Relocation: National (RSA)

References: Available upon request