



Takudzwa Makusha

Hard working graduate with a Bachelor's degree in Financial Accounting equipped, through hands-on experience, with technical financial analysis, software development skills and a practical understanding of how to apply these skills in business.

CONTACT



Phone
+27 67 652 2180
+27 63 021 5070



Email
tbmakusha@gmail.com



Address
Belmont Park, Cape Town



LinkedIn
<https://www.linkedin.com/in/takudzwa-makusha-56076>

SKILLS AND ABILITIES

Web development

- HTML/CSS(SASS)
- Express.js
- Python(Flask)
- Node.js
- Bootstrap
- Javascript

Machine learning and Data science

- Python
- Sci-kit Learn
- Tensorflow(Keras)
- Open-CV
- SQL
- Plotly Dashboards

Mobile Development

- Flutter/Dart

Others

- Core Java
- Git and GitHub
- AWS
- Power BI
- Basics of Docker

Design

- Adobe Photoshop
- Adobe Illustrator
- Adobe After Effects
- Adobe XD

WORK EXPERIENCE

2019 - Present

Freelancing - Data Scientist/Mobile developer

- Experience in **working with clients** building custom python scripts and ad hoc analysis
- Received recognition on linkedin and emails for my innovative python and mobile apps from several high level individuals including the **CTO** of one of the world's most popular journaling app(**Reflectly**) and on more than one occasion **Shoprite's** product Managers whilst still in university.
- Single handedly made **Savvy Shopper**(mobile app) and deployed it to the android Play store. The project took **2.5 months** to complete.
- Building web scrapers, Plotly dashboards, mobile apps.(see projects section) averaging **1 month** to completion on each project.
- Extensive use of **Power Bi**, Arg Gis, **AWS** (EC2, Lambda, DynamoDB) for code deployment
- Extensive practical use of **time series models including ARIMA** and its variations.
- Successful deployment of **machine learning model(NLP)** to the web.
- Single handedly created an **ELT pipeline** for a web server using python, flask AWS Lambda(serverless), **MongoDB**, **Heroku**
- Extensive practice in the use of **imbalanced learning algorithms**

2021 - Present

Alphalytica - Data Scientist

- Worked with **Woolworths**, analysing GIS data for them using **python**
- Provided portfolio analysis to **First avenue** making use of **python**
- Data extraction, Feature Extraction and cleaning
- Experience in working with Arcgis Pro, Argis Api for python for **GIS** data

QUALIFICATIONS

2018 - 2020

UNIVERSITY OF THE WESTERN CAPE
Bachelors of Commerce Financial Accounting

2011 - 2016

HIGH SCHOOL - BROMLEY HIGH

Results: **8 distinctions** out of 9 subjects

Practical Experience

Skills

- Machine learning and data sciences, • Data visualisation (using matplotlib, pandas, seaborn, plotly) • Automation, • Web scraping , • Web development(React, SQL, Express, Flask), • Mobile application development, • Rest API

Projects

- Built a custom GIS solution for **Woolworths** to help rank deferent store locations
- **Website blog** with authentication and a database
- **Portfolio website** including deployment to **AWS EC2 machine**
- Experience in using python library Folium and Pandas to map out geo coordinates on a real map for analysis.
- Building **Arima models**, Calculating the sharpe ratio, Monte Carlo simulations using python.
- Built amazing **Price Analysis Dashboards** using Plotly/Dash
- Machine learning Real/Fake news classifier
- Computer vision face detection and blurring
- Build several python **Rest Apis** and succesfully deployed them to AWS EC2 instances
- Computer vision motion detector

UI/UX

- Dashboard design ,Website design and mobile design
- Website and mobile application Prototyping (Adobe XD)
- Basic animation and graphic visualisation using Powerpoint and AE