MAKAKOLE MAFANE

Junior Data Scientist | Developer

@ makakole74@gmail.com   ☎ +27 78 320 8650   in linkedin.com/in/makakole-mafane-83b24398/   ☺ github.com/makakole

EXPERIENCE

Junior Data Scientist
Umuzi.org

📅 Sep 2018 – Present   📍 Johannesburg, South Africa

- Python Object Oriented Programming and Data Sciences curriculum.
- Product Development: Building a recruitment portal which will automate the current recruitment process. It reduces screening time and comes with a centralized data system for better storage and access.
- Deploying Python Django Application on Google Cloud Platform.
- Techniques used include Test Driven Development and Agile for project management purposes.

Data Scientist
CSIR

📅 Dec 2018 – Feb 2019   📍 Pretoria, South Africa

- Used data science techniques to help chicken farmers optimize productivity and minimize costs. Developed models that gave insights on how certain environmental changes affect mortality rate and growth rate.
- Developed a data capturing platform for farmers for future data analysis and model generation.

Web Developer
Freelancer

📅 2017 – Present   📍 Johannesburg, South Africa

- Developing a back-end system for a job recruitment Chatbot in Python Django.
- Back-end development for lead generation system. Further designed database structures and also worked with REST APIs.

SKILLS

Python, PHP
JavaScript, HTML, CSS
SQL, Docker, Microsoft Power BI
Statistics, Machine Learning, Google Cloud
Data Mining, Cleaning, Analytics and Visualizations

EDUCATION / COURSES

National Certificate in Information Technology (System Development) NQF 5
Umuzi.org

📅 Sep 2018 – Jun 2019

Python for Data Sciences
Datacamp

📅 Sep 2019 – Present

OTHER TECHNOLOGIES

- Git, Linux Ubuntu
- Django, Flask
- Jquery, D3.js
- Pandas, Matplotlib, Seaborn, Tensorflow, Scikit Learn

PROJECTS

Recruitment Portal

- Umuzi has a tedious recruitment process in which the application process is spread across multiple online platforms. I am part of a team which is responsible for building a new centralized application process to replace the old one.

Omniolytics

- An independent technology startup was concerned with helping chicken farmers improve the process of farm monitoring. The company sought to use sensors and data analytics technologies to help farmers have visibility and monitor farm conditions, giving the ability to respond to conditions in real time. The purpose was to gather insights on what influences the chicken mortality rate and weight gain.

Hazie

- A job recruitment Chatbot in which applicants supply the required information to a Chatbot which mimics a human recruiter.
- Applicants are scored to determine if they qualify for the job and they receive feedback in real time, hence reducing screen periods.

Machine Learning and Statistics

- Basic image recognition models where I trained my model to recognise faces, digits and clothing items.
- Used regression to predict employee salaries.
- Built models to determine how environmental factors such as temperature and water pH levels influence chicken growth rates and mortality rates.

Social Network

- A personal learning project in which I built a social network for small businesses in South Africa. The platform was designed to enable small businesses to network with one another and also help small businesses sell their products online for free.