

Sphamandla Ntshangase

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EDUCATION

PhD Pharmaceutical Chemistry
University of KwaZulu-Natal | Graduated 2020

SOFTWARE SKILLS

- | | | |
|----------|----------------|--------------|
| • Python | • Matplotlib | • TensorFlow |
| • R | • Pandas | • Tableau |
| • SQL | • Scikit-learn | • Hadoop |

EXPERIENCE

Postdoctoral Researcher | University of Edinburgh | Nov 2020 – Present

- Pioneered mass spectrometry-based OMICS workflows for cardiovascular research.
- Applied Python, Jupyter, R for data management and analysis.
- Enhanced research with data visualization and statistical tools.
- Participated in grant writing efforts, securing funding for ongoing and future research projects.
- Integrated collaborative research across disciplines.
- Delivered presentations at scientific conferences/meetings (local and international).

Medical Laboratory Technician (MLT) | Global Health Innovations (GHI) | May 2020 – Sep 2020

- Conducted daily PCR testing for COVID-19, contributing to global health efforts.
- Maintained rigorous quality control to ensure accurate test results.
- Collaborated with a team of healthcare professionals in a high-pressure environment.
- Assisted in the data collection and reporting of test outcomes.
- Implemented safety protocols to prevent contamination and ensure lab safety.

EXPERIENCE

Professional Development

- Attended "Machine Learning and Data Mining" workshop, 2021
- Completed "Advanced Data Science with Python" course, Coursera, 2020
- Attended "Machine Learning and Data Mining" workshop, 2021
- Completed "Advanced Data Science with Python" course, Coursera, 2020
- Attended "Machine Learning and Data Mining" workshop, 2021

Certifications

- IBM Data Science Professional Certificate (Coursera)
- Advanced SQL for Data Scientists – Coursera
- IBM Data Science Professional Certificate
- Advanced SQL for Data Scientists – Coursera

Interests and other stuff

- Collaborated with a team of healthcare professionals in a high-pressure environment.
- Advanced SQL for Data Scientists – Coursera
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- Advanced SQL for Data Scientists – Coursera

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- IBM Data Science Professional Certificate (Coursera)
- Advanced SQL for Data Scientists – Coursera
- Collaborated with a team of healthcare professionals in a high-pressure environment.