

# THAVHA TSIWANA

DATA ENGINEER

## CONTACTS



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Place, Johannesburg, 2001, South  
Africa

## ABOUT ME



I am an emerging Data Engineer who is passionate about Data and all the systems that process Data. I currently hold a BSc Degree in Nuclear Science and Engineering (Physics Major) from the University of the Witwatersrand (Wits). I completed my Data Science training at EXPLORE AI where I received NQF5 System Development Certificate. I then embarked on a Data Engineering journey at Umuzi where I learned fundamentals of data engineering. I am a Certified Azure Data Engineer Associate (DP-203) and Certified AWS cloud computing practitioner. I enjoy working with different people in teamwork, building strong communication with people, and to share the knowledge and experience that I have gained during my studies

## LINKS



Personal Website

<https://thavha.github.io>

## DRIVING LICENSE



Driving license category

Code 10 C-1

## CERTIFICATIONS



Microsoft Azure Data Engineering  
associate (DP-203)

Microsoft Azure AI fundamentals  
(AI-900)

Microsoft Azure Data fundamentals  
(DP-900)

Microsoft Azure Fundamentals  
(AZ-900)

AWS Certified Cloud Practitioner  
(CLF-C01)

## WORK EXPERIENCE



JAN 2023

PRESENT

### IT GRADUATE

*BidvestBank | Sandton*

- Extracting Data from different file sources and API using Python and SSIS, perform necessary transformations on the data and Loading the data to the warehouse.
- Query Data from the warehouse using MSSQL Server and Develop PowerBI reports Respond to business service requests for analytical data dashboards.
- Classifying Data using Azure Perview so that data analyst and data science can quickly find data and to adhere to data governance

FEB 2021

DEC 2022

### DATA ENGINEER TRAINING

*Telkom | Johannesburg*

Training how to Extract data from various sources, Transform it so that it is clean and in the right format, and Load it into various databases and applications so that it can be useful. This was achieved by building numerous projects like consuming pull requests data from GitHub API, creating MongoDB data base, Using python to create and query PostgresSQL databases, creating shopping cart calculations, creating shop databases with different tables connect by foreign keys, create a REST API to interact with actual database, Database migrations with SQLAlchemy and many more, the program also offer an opportunity to work on real world projects at telkom such as creating web applications and securely extract and store data into databases.

## EDUCATION



2019

### BACHELOR OF SCIENCE

University of the Witwatersrand | Johannesburg

*The nuclear physics course covers the basic fundamental concepts of physics focusing on various branches of classical physics, like Classical Mechanics, Electromagnetism, Thermodynamics, Nuclear Science, Optics and Wave Mechanics.*

2020

### HIGHER NATIONAL CERTIFICATE

Explore Data Science Academy | Johannesburg

*NQF5 Systems Development*  
*Gained the skills required to be a data scientist. In the data science fundamentals phase we learned how to clean, analyse and visualise data as well as how to effectively communicate the findings. During the machine learning phase, we solve real-world problems by building regression , classification, and unsupervised algorithms in Python.*

2013

### HIGH SCHOOL DIPLOMA

Mbilwi High School | Thohoyandou

## SKILLS



PROGRAMMING PYTHON, SQL,  
JAVASCRIPT, HTML AND CSS



AZURE CLOUD COMPUTING



BUILDING POWERBI REPORTS



AWS CLOUD COMPUTING

