

OMPHEMETSE SENNA

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[LinkedIn link](#) | [GitHub 1-link](#) | [GitHub 2-link](#) | [Portfolio link](#)

SUMMARY

A Bachelor of Science Honours in Computer science student, with a passion for software development and data. Skilled in software languages such as Java, python and c#, and proficient in using data science tools like Python libraries, SQL and Machine learning. Possess problem solving abilities along with a strong aptitude, for collaboration and teamwork.

EDUCATION

1. University of Pretoria (01/2024 – Present)

Bachelor of Science Honours in Computer Science

2. North-West University (01/2019 – 12/2022)

Bachelor of Science in information technology

TRAINING/COURSES

■ Coding Summer School 2023 (01/2023 - 02/2023) CHPC-NITheCS and CSIR

Learned the fundamentals of Python programming, data science, and Linux.

■ Data Cleaning (12/2023) Kaggle [Online]

Learned how to handle data or clean data before analysing, scaling, and normalising, parsing dates, character encoding, and inconsistent data.

■ Machine Learning A-Z Python and R (11/2023) Udemy [Online]

Learned to process data and data modelling such as regression and classification models, K-means and hierarchical clustering, association rules, deep learning, reinforcement learning, natural language processing, and dimensional reduction using Python and R.

SKILLS

Technical Skills:

- Java: Programming, Object-Oriented Programming, Data Structures, and Algorithms
- C++
- HTML 5 and CSS 3
- SQL: Oracle, MS SQL, and Azure Cloud
- SOFTWARE AND DATABASE LIFECYCLE (SDLC, DBLC)
- Power BI
- Machine Learning
- Python: Data Analytics [NumPy, SK-learn, Matplotlib, Pandas, TensorFlow, SciPy]
- C# - ASP.NET, CORE and MVC
- JavaScript programming and DOM
- Git and GitHub
- RDBMS and DBMS
- Linux
- MS teams

Soft Skills:

- Problem-solving skills
- Interpersonal skills
- Analytical skills
- Critical thinking
- Active listening skills
- Communication skills
- Time management skills

PERSONAL PROJECTS

■ DATA SCIENCE: SALES PREDICTION (02/2024 - present)

- A data science project that is centred on using modelling methods to predict sales patterns and enhance business plans. By examining sales data and external influences, on sales outcomes the goal of this project is to offer insights, for boosting revenue and refining decision-making procedures.
- FILES: GITHUB LINKS: https://github.com/Omphemetse-ops/P1_DataSciences

■ ATM-INTERFACE (02/2024 - 03/2024)

- The Java project involves developing and designing a simulation of an ATM machine. This involves setting up classes, for the ATM machine and the users bank account incorporating transaction methods linking the two classes to manage the account balance verifying user input and delivering response messages depending on transaction outcomes. The aim is to establish an easy-to-use interface for users to carry out tasks, like withdrawing money depositing funds and checking their balance.
- FILES: GITHUB LINKS: https://github.com/Omphemetse-ops/Task3_ATM-interface

■ SOUTH AFRICAN IDENTITY IDENTIFIER (04/2023 - 04/2023)

- A Java object-oriented programming (OOP) script that opens and read a text document containing names and ID numbers. The script calculates the age based on the ID number and identifies attributes such, as gender and citizenship status whether the individual is a citizen or a permanent resident.
- FILES: GITHUB LINKS: https://github.com/SennaOmphemetse/SA_Identity_Number

ARCHIEVEMENT

Back-End Engineering Virtual Experience Programme (03/2023) *Lyft (Forage)*

- Built the Unified Modelling Language (UML), followed by the refactoring coding phase and the unit testing.

LANGUAGE(S)

- English, Setswana, Sesotho, and Sepedi.