

Thendo Netshandama

Data Scientist | Data Analyst

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Professional Summary

Results-driven Data Scientist and Data Analyst with hands-on experience in **machine learning, data analysis, and cloud computing**. Strong proficiency in **Python, SQL, and R**, with expertise in **Azure, AWS, and data visualization tools**. Adept at designing and optimizing machine learning models to uncover insights and drive data-driven decision-making. Passionate about leveraging analytics to solve complex business problems. Seeking an opportunity to apply my skills in a dynamic, data-driven environment.

Skills & Technologies

- **Programming:** Python, SQL, R
- **Machine Learning:** Scikit-Learn, PyTorch, XGBoost, CatBoost, Logistic Regression, Decision Trees, PyCaret
- **Data Analytics & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau
- **Cloud & Big Data Tools:** Azure Databricks, Azure Data Factory (ADF), Azure OpenAI, AWS Studio, Microsoft SQL Management
- **Other Skills:** ETL (Extract, Transform, Load), Feature Engineering, Model Optimization, Exploratory Data Analysis (EDA)

Work Experience

Data Analyst | Helioustin

January 2024 – Present

- Designed and implemented **SQL databases**, optimizing data retrieval efficiency.
- Conducted **exploratory data analysis (EDA)** to identify trends and insights, improving business decision-making.

- Built and optimized **machine learning models** for classification and regression tasks.
- Developed **ETL pipelines** for data transformation and processing.
- Utilized **Azure Databricks and AWS** for cloud-based data analysis and model deployment.

Education

Academic Institute of Excellence

IT Systems Developer NQF5 (Data Science & Machine Learning) (2024-2025)

Mbilwi Senior Secondary School

Matric (2009 – 2013)

Power Learn Project Academy

Software Development (2025-Present)

Projects & Achievements

- **Customer Churn Prediction:** Built a machine learning model that improved churn prediction accuracy by **15%**, helping a business retain customers.
- **Sales Forecasting:** Developed a **time series forecasting model** using XGBoost and Darts, improving demand planning.
- **Automated Data Pipelines:** Designed and deployed **ETL workflows** for data ingestion and transformation in **Azure Data Factory**.

Certifications & Training

- **Software Engineering Essentials - In Progress**
- **Web Development V2 - In Progress**
- **AI Model Masterclass Training – In Progress**

References

- Available upon request