

# LIND'IKHAYA XOLA

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Dobsonville, Soweto, 1865

## PROFILE

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Data Analyst with hands-on experience in Predictive Modelling, Exploratory Data Analysis (EDA), and Business Strategy Enhancement. Proficient in Python, SQL, Excel, and Tableau, with a focus on leveraging data to drive actionable insights and decision-making. Currently transitioning from a legal academic background to data analytics with proven project success and a strong foundation in technical and analytical skills.

## KEY SKILLS

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- **Programming:** Python (Pandas, NumPy, Matplotlib, SciKit-Learn)
- **Database Management:** SQL (MySQL, SQLite, PostgreSQL, SQL Server)
- **Data Analysis:** Excel (Pivot Charts, VLOOKUP, XLOOKUP, VBA, Conditional Formatting, Dashboards)
- **Data Visualisation:** Tableau

## EXPERIENCE

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### Oasis Infobyte – Data Analyst Intern

May – June 2024

- Completed 3 key projects focused on **House Price Prediction**, **Wine Quality Prediction**, and **Retail Sales Analysis**.
- Used **Multilinear Regression Models** to predict housing prices, providing key insights for market strategies.
- Conducted **Exploratory Data Analysis (EDA)** on retail sales data, uncovering trends that directly informed improved business decisions.
- Developed a wine quality prediction model, leveraging chemical attributes, improving quality assessment processes.

### Blackchild Tutoring Services (Pty) Ltd – Tutor

May 2023 – June 2024

- Developed **custom Excel reports** to track student performance metrics, contributing to personalised learning plans and enhancing educational outcomes.
- Utilised Excel dashboards for monthly performance monitoring, boosting the operational efficiency of the tutoring program.

## EDUCATION

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### University of Johannesburg (UJ)

LLB (Bachelor of Laws) – *Paused due to funding*

### George Khosa Secondary School

Matric – *Bachelor's pass with 3 Distinctions*

## CERTIFICATIONS

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- **Data Analytics:** *Career Essentials in Data Analysis by Microsoft and LinkedIn*
- **SQL:** *SQL Essential Training (LinkedIn Learning), SQL for Exploratory Data Analysis (LinkedIn Learning)*
- **Python:** *Python Libraries for Data Science (Simplilearn), Learning Python (LinkedIn Learning)*
- **Excel:** *Business Analytics with Excel (Simplilearn)*

## PROJECTS

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### House Price Prediction

- Created a predictive model using **multilinear regression** to estimate housing prices based on features like location, square footage, and number of rooms. This model aimed to guide both buyers and sellers in making informed decisions.

### Customer Sales Analysis with Excel

- Cleaned and transformed raw sales data in Excel, removing duplicates and standardising formats.
- Used **Pivot Tables** to analyse key metrics like total sales, average purchase value, and customer segmentation.
- Created an **Excel dashboard** to visualise sales trends, top-performing products, and regional distribution.
- Delivered insights that optimised sales strategies and improved decision-making for inventory and product promotions.