Thapelo Thooe

Data Scientist | Python Developer | AI & Analytics Consultant

Contact Information

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Professional Summary

Data Scientist and self-taught Python Developer with strong expertise in data wrangling, analytics, visualization, and applied machine learning. Founder of Profit Projects, delivering data-driven business solutions including predictive models, dashboards, surveys, and analytical reports. Skilled in building interactive data applications, working in Linux environments, and leveraging AI, prompt engineering, and agentic workflows to automate insight generation. Seeking data-focused roles where analytical thinking and engineering skills create measurable business impact.

Technical Skills

- Python (Advanced), Pandas, NumPy
- Data Cleaning, Wrangling & Feature Engineering
- Data Visualization: Matplotlib, Seaborn, Plotly
- Machine Learning: Scikit-learn (Regression, Classification, Forecasting)
- Dashboard & App Development: Streamlit, NiceGUI
- Linux Environments & Scripting
- AI Concepts, Prompt Engineering & Agentic Systems
- Survey Data Collection & Reporting

Professional Experience

Founder & Data Science Consultant – Profit Projects
Pretoria, South Africa | Self-Employed | 2023 – Present

- Deliver end-to-end data science solutions including data ingestion, cleaning, analysis, visualization, and reporting.
- Develop insight-driven dashboards and visual reports to support executive and operational decision-making.
- Build predictive models for demand forecasting and trend analysis using Scikit-learn.
- Design and deploy interactive web-based analytics tools using Streamlit and NiceGUI.
- Conduct digital field surveys and transform collected data into actionable insights.
- Create online catalogues and data-backed sales insights for brick-and-mortar businesses transitioning online.
- Advise clients on data strategy, KPIs, and performance optimization.

Selected Projects

- **Business Analytics Dashboards:** Interactive Streamlit dashboards visualizing sales trends, customer behavior, and operational KPIs.
- **Predictive Forecasting Models:** Built machine learning models to predict demand and seasonal trends using historical sales data.
- **Survey Data Analytics:** Designed digital surveys and performed post-collection analysis to generate insights for business planning.
- **Online Catalogue Systems:** Developed structured product catalogues enabling improved online visibility and sales tracking.

Education & Continuous Learning

Self-Taught Data Scientist & Python Developer
Practical, project-based learning through real-world client work, online coursework, and independent research.
Ongoing upskilling in machine learning, AI systems, and data engineering best practices.

Additional Information

- Available for full-time, contract, or consulting roles
- Strong business communication and client-facing experience
- Highly self-motivated with a problem-solving mindset