

Neil Sinclair

Contact

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Skills / Technologies

- Python, R
- Claude Code, GitHub Copilot
- PyTorch, Tensorflow, Scikit-Learn, FastAPI, Streamlit
- SQL, Pyspark
- OpenAI & Gemini APIs
- Multi-agent workflows
- AWS, Azure
- Docker
- Git

Highlighted Achievements

- Class medal (top performer) for first principles “Machine Learning” course during MSc in Data Science
- Distinction for NLP-oriented masters thesis
- Top performer awards for statistics and marketing during MBA
- Distinction for MBA thesis
- Graduated 2nd overall in my MBA cohort
- Highest performance award at Deloitte

Profile: Experienced data scientist and AI product engineer with a track record of **deploying multi-agent LLM products** to the cloud. Throughout my career I’ve worked with some of the **largest firms in Africa and Europe** helping them solve their data and decision challenges.

Work Experience

Side Projects

Battery Storage Optimisation Tool for Founder (Dec 2025 - Jan 2026)

- Built a **mixed integer linear programming tool** for optimising heat pump and energy storage combinations.
- The tool enabled the founder of a Climatech start up to test business hypotheses with an easy-to-use UI and evolve his initial offering.

Multi-agent Kitchen Assistant for Start Up: Food Storii (May 2026 - Present)

- As a **Product Engineer**, I designed, built and deployed a **multi-agent kitchen manager** in the Food Storii app MVP.
- The agents intelligently create recipes and meal plans, manage the user’s inventory and shopping lists and help them to reduce food waste.
- I focused on backend agentic logic as well as several frontend features.
- The agents used Anthropic models and were developed with LangGraph.

Diconium Data, Berlin

Data Scientist (2022 - 2024) / Senior Data Scientist (2024 - Present)

- **Company description:** Diconium is a digital consulting firm wholly owned by Volkswagen. The company primarily delivers data and strategy projects for numerous Volkswagen brands.
- Built a **multi-agent voice and text** sales assistant for a leading EU auto brand using OpenAI and deployed to Azure. The agents operated **asynchronously in a hierarchical structure** with **dynamic routing**, **RAG-driven content generation**, **structured information extraction**, and Salesforce **API integration**.
- Led a team prototyping a **RAG-based IoT data ordering system** for analysts deployed on **Databricks** with Llama2. Data preprocessing incorporated **LLM-enhanced data augmentation**. The user-facing tool consisted of a **multi-agent pipeline** with **query restructuring**, **RAG**, and **multi-step response writing**.
- Deployed a **multi-agent after-sales service assistant** on Databricks using Llama2. The tool identifies repair procedures based on vehicle error signals via **RAG**, **LLM-enhanced document selection** and **conversational document querying**.
- Led a project delivering two **RAG-enabled LLM-based chatbots** for a global pharma client built on the **OpenAI API** and **deployed on Azure**.
- Designed and facilitated **executive-level prompt-engineering workshops** for senior management and board members of major German clients.
- Developed and deployed an **intelligent pricing engine across** multiple VW brands and EU markets.
- Co-designed and launched an internal innovation pipeline for data-product commercialization.
- Delivered two **usage-based insurance** proof of concepts for a top German auto brand using in-vehicle telemetry data on Azure with Databricks and PySpark.

Additional

- Permanent resident visa status
- German B2

Shoprite^x, South Africa

Data Scientist (2021 - 2022)

- **Company description:** Shoprite^x is the innovation arm of Shoprite Holdings, the largest grocer in Africa. With billions of annual transactions across 13 brands, the division focuses on digital commerce and using data to drive the company's competitive advantage.
- Built an **NLP competitor product matching tool** for store range comparisons with scraped data, utilising spaCy and scikit-learn.
- Built a PoC for a **product recommender** with Dash and SQL. The tool was for the online merchandising team to define groups of products to place into promoted "Shopping Missions" on the shopping app.
- **Led a customer and product segmentation project** - saving approx. €200K in annual consulting fees.
- Built a regression-based **cross-product cannibalisation tool** to understand the impact of product promotions on associated products. The module was part of a promotions optimisation tool using PySpark and scikit-learn.
- **Facilitated Design Thinking workshops** with internal departments to understand customer pain points and identify data science opportunities.

Deloitte Consulting, South Africa: Consultant / Senior Consultant (2018 - 2020)

- **Company description:** Deloitte is the largest professional services firm in the world. Within the advisory arm in South Africa, the consulting division provides consulting services predominantly to the largest listed companies in the country.
- Strategy project in the mining sector, including **value chain analysis** and high-level **market modelling** for large-scale batteries in Africa.
- Customer experience and strategy project in the mobile telecoms sector, with a focus on **survey design and analysis** coupled with qualitative interviews.
- Commercial due diligence project in the mobile telecoms sector, with a focus on **customer value and churn analysis**.
- Customer strategy project in the financial services sector, with a focus on **customer value proposition design**.
- Customer experience project in the entertainment sector focused around **Design Thinking workshops** for understanding future capability needs for the client.

Education

University of Cape Town

- *MSc in Data Science: Cum Laude ('20 - '21)*
- *Bachelor's Psychology & Sociology: 71% ('05 - '07)*

Gordon Institute of Business Science (GIBS), University of Pretoria

- *MBA: Cum Laude ('16 - '17)*