

BAXOLELE MAZWI

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Dear Hiring Manager,

Most candidates walk through your door with either technical skills or industry knowledge. **I bring both**, in a field where data is still largely underutilised.

I am a final-year BSc Construction Studies student at the University of the Witwatersrand, and a practising data analyst. That combination is rare. I have stood on active construction sites conducting GNSS surveying, coordinating documentation, and working alongside engineers and quantity surveyors. I also know what it means to build a machine learning prediction model, run a customer churn analysis in Python and SQL, and translate raw data into dashboards that non-technical stakeholders can act on. I do not just understand data; I understand the environments where decisions are made, where the cost of a wrong call is measured in budgets, delays, and real-world consequences.

My project work reflects this directly. **I built a bank marketing funnel dashboard in MySQL and Power BI** that pinpointed exact drop-off stages in a lead conversion process. **I developed a telco customer churn pipeline**, end-to-end, from raw data to an interactive dashboard that identified contract type and payment method as the primary churn drivers. **For a DataCamp competition, I engineered an ML prediction model using a Dixon-Coles Poisson GLM** to forecast the FIFA World Cup 2026, covering feature engineering and model validation, all built from scratch. I also designed and shipped StudyPulse, an AI-integrated study timer that helps students plan, focus, and track their marks in one place. These are not academic exercises. They are the kind of work I would walk into your office and talk through with confidence.

Beyond the technical work, I have served as a Quantities and Specifications Tutor for the Association of South African Quantity Surveyors, a Peer Mentor at Wits, and Treasurer of the CIOB Africa Novus Subcommittee, roles that required accountability, communication, and the ability to translate complex concepts for others. I hold certifications from IBM, DataCamp, and ALX Africa, and I am currently completing a Data Engineering Specialization because I am not interested in staying where I am. I am building toward something.

I am looking for an opportunity where my cross-disciplinary background is an asset, not an anomaly. **If you are looking for someone who can read a construction drawing and a data pipeline in the same afternoon: I am that person.** I would welcome the chance to show you what that looks like in practice.

Yours sincerely,

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