Muhammad Ubeid Teelhawod

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PROFESSIONAL SUMMARY

Final-year BSc (Hons) Data Science student at the University of Mauritius with two AI & Innovation internships at BDO IT Consulting. Builds statistical models, forecasts and machine learning workflows in R and Python, and designs SQL Server databases. Seeking part-time or flexible roles in AI and data.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, C, Java, JavaScript, PHP, HTML, CSS
Databases: SQL Server, MySQL, SQLite; data warehousing (star schema, OLAP)
Data Science & ML: TensorFlow (Keras), NumPy, Matplotlib, tidyverse, caret, nnet; neural networks, K-means and hierarchical clustering, Monte Carlo simulation, maximum likelihood estimation, forecasting
Tools & Frameworks: FastAPI, React, SQLAlchemy, REST APIs, Ollama, Power BI, Tableau, Git, BPMN 2.0, Figma

PROFESSIONAL EXPERIENCE

AI & Innovation Intern | BDO IT Consulting Ltd — Oct 2025 – Jan 2026, May 2026 – July 2026

- Designed the SQL Server database behind an internal AI-driven recruitment platform with Python and SQLAlchemy, growing it from about 28 to 55 tables to add role-based permissions, teams and workspaces
- Made recruitment operations easier to trace and troubleshoot with migrations, seed data and audit logging; tested each stored procedure with 3 Python scripts (success, fallback and complete failure)
- Mapped HR and recruitment processes in BPMN 2.0 and introduced the notation to the team, giving business and technical staff a shared reference for automation planning
- Sped up early design of a digital lottery platform by drafting wireframes with AI and refining the user flows in Figma; presented the method at a quarterly company meeting

PROJECTS

Fair SME Loan Assessment Agent | Final-year project — 2026 – Present

- Developing an AI-assisted SME lending app for fair, explainable loan assessment (FastAPI, React, MySQL)
- Built SME profiles, loan workflows, role-based access, OCR PDF extraction and a local Ollama LLM chatbot

Count Time-Series Forecasting: INAR(1) vs Neural Network | Advanced Statistical Methods — 2026

- Simulated 3 correlated, overdispersed count series in R and estimated 7 parameters by conditional maximum likelihood; with 500 observations, all 7 averaged within 1% of their true values over 100 runs
- Benchmarked the model against a neural-network ensemble (R nnet) on 100 series: 0.2–1.4% lower forecast RMSE on all 3 series and 98% prediction-interval coverage, against 95–97% for the network

Bank Customer Segmentation | Data Mining (group of 4) — 2026

- Segmented a 2,000-client sample of the 45,211-record UCI Bank Marketing dataset in R with K-means (k = 2–6, 25 random starts) and hierarchical clustering, using only pre-campaign attributes
- Checked robustness: the 5-segment K-means solution was identical for all 2,000 clients across 2 random seeds, but only 35% of clients kept their segment under an alternative scaling scheme

Paws and Claws Pet Hotel Website | Web Programming (group of 3) — 2026

- Built the online booking flow in JavaScript and PHP: validation, automatic price calculation and CSV storage
- Developed mobile navigation, a high-contrast theme and responsive layouts from WCAG 2.2 Figma wireframes

Handwritten Digit Classifier | Introduction to Data Science — 2025

- Built a Python neural network (TensorFlow, Keras) classifying MNIST digits with 97.58% test accuracy

EDUCATION

BSc (Hons) Data Science | University of Mauritius, affiliated with CY Cergy Paris University — 2024 – 2027 (expected)
ACCA | Applied Knowledge (Level 1) completed; Financial Management and Performance Management passed
Cambridge HSC | Sir Abdool Raman Osman State College | Economics A, Accounting A, Mathematics A — 2023

CERTIFICATIONS

Data Analyst in Power BI, DataCamp (2026) | BPMN 2.0 with Bizagi, Udemy (2026)
Google AI Professional Certificate, Google (2026) | Claude Code 101 and 3 other Claude courses, Anthropic (2026)