

TATENDA E. MUNAKI

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Professional Summary

Data Scientist and AI Enthusiast pursuing a Master's in Applied Data Science at Clarkson University. Experienced in machine learning, health tech, predictive modeling and dashboard development. Passionate about leveraging AI to build intelligent, data-driven solutions in healthcare, business and education.

Core Skills

Programming: Python, R, SQL, HTML, CSS, JS	ML & AI: TensorFlow, Keras, Scikit-learn, OpenCV, DeepFace, XGBoost
Dashboards: Power BI, Tableau, Streamlit, Flask, Shiny	Tools: GitHub, Docker, VS Code, Jupyter, Git

Key Projects

AI Mental Health Chatbot - Built NLP-powered chatbot with sentiment analysis for personalized mental health support.

AI Facial Recognition Attendance System - Automated attendance tracking using DeepFace, OpenCV, and SQLite.

Hospital Readmission Risk Dashboard - Predicted 30-day patient readmission using ML with SHAP visualizations.

Real Estate Price Prediction - Forecasted housing prices using regression, Lasso, and XGBoost models.

Professional Experience

Freelance Data Analyst & Dashboard Developer | Feb 2023 – Present, Zimbabwe

Delivered dashboards, predictive models, and analytics for multiple clients in construction, healthcare, and retail.

Data Analyst - Delatfin Construction | Jun 2022 – Jan 2023, Zimbabwe

Built Power BI dashboards and prepared KPIs and cost reports.

Clinical Data Analyst Intern - The Avenues Clinic | Apr 2021 – May 2022, Zimbabwe

Cleaned patient data and developed dashboards to track readmissions.

Data Viz Consultant - Dairyboard & St Augustine School | Jan 2020 – Mar 2021, Zimbabwe & South Africa

Created interactive dashboards and automated reporting using Python & Excel.

Junior Data Analyst - Tongaat Hulett's & Munny Civil Engineering | Jan 2020 – Dec 2020, Zimbabwe

Analyzed production data and delivered KPI dashboards.

Education

Master's in Applied Data Science | Clarkson University | 2024 – 2026

Certifications

- TensorFlow Developer Certificate (OpenCV Specialization)
- Health Informatics (Johns Hopkins University - Coursera)