**Curriculum Vitae**

**Personal Details**

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**Location:** Potchefstroom, South Africa

**Professional Summary**

A highly motivated and analytical individual with a passion for data science, machine learning, and AI-driven solutions. Skilled in developing, evaluating, and deploying predictive models for real-world challenges. Experienced in using Python, R, and C++ coding, fraud detection, data analysis, and visualization. Dedicated to continuous learning, teamwork, and using technology to solve meaningful problems.

**Education**

**BSc in Information Technology (Data Science Specialization)**
*Eduvos — 2023–2025*

- Key Modules: Machine Learning, Computer Skills (Excel), Web Server Management, Scientific Programming
- Capstone Project: *AI-driven Fraud Detection Monitoring System*

**Technical Skills**

**Programming Languages:** Python, R, SQL, C++
**Machine Learning:** Logistic Regression, Random Forest, Gradient Boosting, SVM, Neural Networks
**Libraries & Frameworks:** Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy
**Data Visualization:** Matplotlib, Seaborn, Plotly, Excel
**Tools:** Git, VS Code, Streamlit, Jupyter Notebook
**Other:** Data Preprocessing, Feature Engineering, Model Evaluation, Data Cleaning

**Projects**

**Credit Card Fraud Detection — Group Project (2025)**

- Developed and compared ML models (Logistic Regression, Random Forest, Gradient Boosting, SVM, Neural Networks).
- Evaluated models using F1-score, ROC-AUC, and Precision-Recall metrics.
- Deployed a real-time fraud detection dashboard with **Streamlit**.

**Human Emotion Detection**

- Model detects whether a human face is happ, sad or angry using YOLO, TensorFlow.
- Link: https://www.google.com/knowledgegraphshares?hl=en-ZA&client=ms-android-samsung-rvo1&sca_esv=cb6d5bace73091a1&q=tekcorp+human+emotion+detection&docid=Elwdmc4-68YrPM&ibp=video&shndl=41&shmd=H4sIAAAAAAAA_xXJywqCQBQAUGzpD0StBKFFoAa5UYhQUKk0Kqu9ztx0SGfMufbY9TNBiz6y2h046ktR-2VXZ1yDWiATXKOAQP4aliViI13LAk7aR4NADcz5xCwkZsiISURtsTorQM4vs9-43po6EdmDzXxpdNHSJ_GUndvNzpah4Swcbxuu8iQ50K40jkF8DdLQS72RHA90BC5Fe6rETdMpQFNB1nLGi_un91TeyhfdRvZOqAAAAA&shmds=v1_AdeF8KiWW1tASX2FXkhk_J0Y6xwH3H9Ku0MX7WV9yFy4oX-25w&source=sh/x/vid/m1/4&kgs

**AI Sentiment Analysis Tweets Web App**

- Takes tweets as input (either manually entered, uploaded, or fetched via API),
- Analyzes their sentiment using NLP techniques,
- Displays the results in a user-friendly format (charts, labels)
- Link: https://sentiment-analysis-tweets-aw48wdsgqjzcn6pgaznxs4.streamlit.app/

**Student survey dashboard (Eduvos)**

- Load and process survey data (probably from student_survey.R).
  Display results using interactive charts, tables, or filters.
- Allow users (educators or researchers) to explore responses by category (age, satisfaction, preferences).

## Certifications

- **IBM Machine Learning Professional Certificate (Coursera)**


- **Basic Statistics in Python (Correlations and T-tests)**

**Interests**

AI research • Christian mentorship • Technology innovation • Reading • Coding

**References**

YouTube Channel: (1409) TekMonger - YouTube

Website: Kelvin | Portfolio

Git: Kelvin-7-art (TekMonger)