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| Data scientist/ Web developer  QAPHELE JAKENI | (+27) 67 044 2944 | Jakeniqap@gmail.com  <https://github.com/Qaphele1/Portfolio.git>  36 Rubin Crescent  Summerstrand  6001 |

# Skills

* SQL (SQL Server, MySQL)
* Python (Pandas, NumPy, Matplotlib) & Flask
* R programming (RStudio)
* Tableau
* Excel (VLOOKUP, Conditional Formatting, Pivot Tables)
* GitHub
* Machine learning (Scikit-learn, Keras, TensorFlow)
* Geospatial analysis (GeoPandas)
* Microsoft Power BI
* HTML & CSS & Javascript
* UI/UX designer

# Projects

UI/UX design – Fihla & Associates **–** YA Tech company January 2024

* Meet-up with client and Project manager to discuss details of website.
* Make UI layout for the web and set up the interactive mockup.
* Generate prototype to show its instructiveness using Figma and present it to client.

Graphic design – Personal Project January 2024

* Using Figma to make a poster.
* Using different fonts and gradients to generate linearity.
* Creating an adjustable frame to fit any device.

DAta cleaning IN PYTHON USING PANDAS – Personal Project December 2023

* Cleaning data removing punctuation marks on areas not required in.
* Changing format of phone numbers to the required standard.
* Provide clear and final table with only the required data.

Data profession survey breakdown dashboard – Personal Project May 2023

* Created a dashboard with **Power Bi** to identify which profession is high paying.
* Transformed and processed the data.
* Provided clear results on preferred programming languages and salary averages.

# Work Experience

UI/UX Designer **–** YA Tech January 2024 - Present

* Meet with clients to find what they are looking for.
* Research recent modifications to the website design complimenting clients’ needs.
* Present the prototype to client and modify/update if necessary.

practical demonstrator **–** Nelson Mandela University September 2023 - November 2023

* Helping students in the lab.
* Analyzing trends in marks for each topic and module.
* Recommending ways to help students based on the acquired data on marks.

# Education

**THE WEB DEVELOPER BOOTCAMP** 2024

**A.I & MACHINE LEARNING, DATA SCIENCE BOOTCAMP (UDEMY)** 2024

* **Data Analysis and Visualization:** Proficient in analyzing complex datasets using statistical methods and visualization tools such as Python (pandas, NumPy, matplotlib, seaborn) or R (ggplot2, dplyr, tidyr). Skilled in creating insightful visualizations and dashboards to communicate findings effectively.
* **Machine Learning:** Experienced in applying machine learning techniques to solve real-world problems, including classification, regression, clustering, and anomaly detection. Proficient in using libraries such as scikit-learn, TensorFlow, or PyTorch.
* **Statistical Analysis:** Strong understanding of statistical concepts and methods, including hypothesis testing, regression analysis, time series analysis, and experimental design. Capable of applying statistical techniques to extract meaningful insights from data.
* **Data Manipulation:** Expertise in data manipulation and cleansing using SQL and/or data manipulation libraries in Python or R. Able to handle large datasets efficiently and effectively.
* **Predictive Modeling:** Skilled in building predictive models to forecast trends, identify patterns, and make data-driven predictions. Familiarity with techniques such as linear regression, decision trees, random forests, and gradient boosting.
* **Big Data Technologies:** Knowledgeable about big data technologies and frameworks such as Hadoop, Spark, or Kafka. Experience with distributed computing and processing large-scale datasets.
* **Data Mining and Feature Engineering:** Proficient in data mining techniques to discover insights and patterns in data. Experienced in feature engineering to create relevant features for predictive modeling and analysis.
* **Experimental Design:** Familiarity with experimental design methodologies for designing and conducting experiments to test hypotheses and validate findings.
* **Collaboration and Communication:** Strong interpersonal and communication skills, with the ability to collaborate effectively with cross-functional teams. Capable of translating technical findings into actionable insights for non-technical stakeholders.
* **Problem Solving:** Analytical mindset with a focus on problem-solving and critical thinking. Ability to approach complex problems systematically and develop innovative solutions.

**DATA ANALYTICS BOOTAMP CERTIFICATE**  2023

* SQL
* Python
* Tableau
* Power BI
* Excel
* Web scrapping for data on websites.

**KAGGLE CERTIFICATE** 2023

Machine learning, Geospatial analysis, BigQuery, AI ethics and Deep learning.

NSC Certificate – Butterworth High School – Eastern Cape 2019

Subjects:

* Mathematics English Home Language IsiXhosa First Additional L
* Physical Sciences Life Sciences Geography