



NAOMI KOYANA

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Cape Town

Portfolio

LinkedIn

GitHub

SKILLS

Technical Skills

- Excel
- SQL
- ETL
- Tableau
- Power BI
- Python
- R
- UML
- Systems Analysis
- Java
- Unix
- AWS (In Progress)

Soft Skills

- Problem Solving
- Analysis
- Attention to details
- Communication
- Collaboration
- Agile methodologies

Education

- Data Analytics Bootcamp

DATA ANALYST

Experience

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- **Amazon Web Scraper (Project):**
I developed an **automated Python web scraper** to monitor and record Amazon laptop prices daily. Using **Pandas**, the scraper updates an **Excel** file and leverages **smtplib (Python module)** to send email alerts for price drops, ensuring timely updates and potential savings.
- **Cryptocurrency API Pull (Project):**
In this project, I **automated** the retrieval of cryptocurrency data by using an API from CoinMarketCap, with the data recorded in an **excel csv** for historical tracking. I employed **Pandas** for data transformation and analysis, and utilized **Seaborn** to create insightful visualizations, revealing detailed trends and providing actionable insights into recent movements in the cryptocurrency market.
- **Covid-19 Data Exploration (Project):**
In this project, I used **Excel** to clean over 500,000 global COVID-19 records and **SQL Server** for analysis. I identified countries with the highest death tolls and compared them with data from China, the outbreak's origin. This analysis provided crucial insights into the pandemic's impact across 150+ countries, highlighting the crisis's extent and informing global health strategies.
- **Cape Town Water Billing Visualizations (Project):**
In this project, I leveraged **Excel** for **ETL** on over 3000 water billing records from Cape Town (2019-2022) and visualized the data in **Tableau**. This approach unveiled key trends and anomalies, providing insights that could enhance water management and potentially cut operational costs by up to 15%.
- **Nashville Housing Data Cleaning (Project):**
In this project, I used **SQL Server** to clean and transform raw Nashville housing data, correcting inaccuracies and standardizing formats. This process enhanced data quality, enabling accurate and comprehensive analysis.