**SUMMARY**

* Data-driven data science enthusiast with a strong foundation in Python, SQL, and machine learning algorithms.
* Proficient in data manipulation, analysis, and visualization using Pandas, NumPy, Matplotlib, and Seaborn.
* Eager to contribute to the field of data science, learn new techniques, and make a meaningful impact in the industry.

**TECHNICAL SKILLS**

**Programming Languages** (Python | SQL) | **Data Manipulation and Analysis** (Pandas | NumPy | SQL)

**Data Visualization** (Matplotlib | Seaborn | PowerBI) | **ML Frameworks** (Scikit-learn, TensorFlow, PyTorch) |

**Neural Networks** | **Statistical Analysis** (A/B Testing | Regression Analysis | Time Series Analysis) |

**Version Control** (Git | GitHub) | **Databases** (MySQL | MongoDB) | **Cloud Deployment** (Azure | Heroku) |

**Data Cleaning and Preprocessing** | **Feature Engineering** | **Model Evaluation and Validation** |

**Data Mining and Extraction Techniques** | **Data Imputation** | **Unsupervised Learning** (Clustering |

Dimensionality Reduction) | **Statistical Modelling**

**ACHIEVEMENTS**

* **Time Management:** Achieved project goals and deadline by effectively managing resources, adapting to changing priorities and communicating with the stakeholder.
* **Leadership:** Led cross-functional teams in Cricket with strategic vision, fostering collaboration and achieving results.
* **Communication:** Effectively collaborated with the client resulting in streamlined project delivery.
* **Analytical:** Utilized analytical techniques to identify key Instagram market trends and optimize business strategies.
* **Ability To Work in a Team:** Harnessing diverse perspectives and fostering a harmonious team environment.

**VIRTUAL INTERNSHIPS**

**Standard Bank *[****Data Scientist, 2023****]******(****Forage****)***

- Performed data cleaning and transformation to enable accurate analysis.

- Created interactive visualizations to communicate insights to stakeholders.

- Developed machine learning model to predict if the customer is going to be a loan defaulter.

**British Airways *[****Data Scientist, 2023****]******(****Forage****)***

- Used Beautiful Soup for extracting airlines data from website (Skytrax)

- Performed data cleaning to prepare data for data and sentiment analysis.

- Trained and evaluated a machine learning model to be able to predict customer buying behaviour.

**PROJECTS**

* **Credit Card Default Prediction**

*[**Categorization of credit card default payments ]*

**Tech: Python, Pandas, NumPy, Matplotlib, Scikit-learn, Jupyter Notebook, Streamlit**

- Conducted data exploration, preprocessing, and feature engineering for credit card default payment prediction.

- Developed and evaluated various machine learning models using cross-validation and hyperparameter tuning.

- Developed machine learning model to predict if the customer is going to be a loan defaulter.

* [**Students Performance Indicator**](https://github.com/WizKnight/Students-Performance-Indicator/tree/main)

*[ This project understands how the student's performance (test scores) is affected by other variables ]*

**Tech: Python, Pandas, NumPy, Matplotlib, Scikit-learn, Jupyter Notebook, Heroku**

- Analysed the impact of Gender on student's test scores and identified significant differences in performances.

- Investigated the relationship between Ethnicity and student's test scores, exploring potential variations

in academic performances among different ethnic groups.

- Identified key factors influencing student's test scores.

* **Customer Personality Analysis**

*[ Helps a business to modify its product based on its target customers from different types of customer segments ]*

**Tech: Python, Pandas, NumPy, Matplotlib, Scikit-learn**

- Implemented machine learning for customer personality analysis, uncovering insights into customer demographic

- Used dimensionality reduction followed by agglomerative clustering.

- We came up with 4 clusters and further used them in profiling customers in clusters according to their family

structures and income/spending.

**CERTIFICATIONS**

* **Python For Data Science [IBM] (EdX) \* Machine Learning Challenge (Microsoft)**
* **SQL For Data Science [UCDavis] (Coursera) \* Full Stack Data Scientist (Ineuron)**
* **Data Visualization [DataCamp] \* Time Series With Python (DataCamp)**