

SWAPNIL JIKAR

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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

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