SAMIMUDDIN SHAIKH

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# Summary

Objective:

Goal-oriented and passionate data science enthusiast with a strong foundation in statistical analysis, machine learning, and programming. Currently pursuing a Data Science course, seeking an opportunity to apply my knowledge and skills in a professional setting. Eager to contribute to a team that values data-driven decision making and innovation.

# Experience

 **Student**

PW (PhysicsWallah)

Projects:

1.**Predictive Analysis of Customer Purchasing Behavior**

Analyzed a retail dataset to identify factors influencing customer purchasing behavior. Conducted exploratory data analysis (EDA) to understand the relationship between customer demographics and purchase patterns.

Developed predictive models using regression and classification algorithms to forecast customer purchase likelihood.

Achieved a prediction accuracy of 82% and provided actionable insights to optimize marketing strategies.

2.**Fraud Detection using Machine Learning**

Investigated a financial dataset to identify fraudulent transactions.

Preprocessed and engineered features, applying techniques such as anomaly detection and feature scaling.

Implemented machine learning algorithms, including Random Forest and Logistic Regression, to classify fraudulent transactions.

Achieved a precision rate of 92% and presented results demonstrating the model's effectiveness in detecting fraud.

3.**Sentiment Analysis of Social Media Data**

Gathered a large dataset of tweets related to a specific product.

Cleaned and preprocessed the text data, removing noise and applying sentiment lexicons.

Utilized natural language processing techniques to perform sentiment analysis and determine overall sentiment.

Visualized sentiment trends over time using interactive dashboards and presented insights on social media sentiment analysis.

# Education

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H.S**(WBCHSE)**

**B.A(C.U**)

# Skills

**1.Statistical Analysis: Proficient in applying statistical methods to analyze data, identify patterns. 2.Programming Languages: Proficient in Python for data manipulation, analysis, and model development. 3.Data Visualization: Skilled in creating visualizations using libraries such as matplotlib and seaborn . 4.Strongunderstanding of machine learning algorithms, model evaluation, and hyperparameter tuning. 5.Extensive knowledge of deep learning architectures, including convolutional neural networks (CNNs), recurrent neural networks (RNNs), and generative adversarial networks (GANs).Problem**

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