SAMEER KUMAR RAITA

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TECHNICAL EXPERIENCE

Languages and DataBases: Machine Learning, MySQL, Python, Pandas, Numpy, Matplotlib, Seaborn
Visualization Tools: Power BI, Tableau
Other Skills: Business Analysis, Data Analysis, MS Office 360, Advanced Excel, Statistical Analysis

WORK EXPERIENCE

INTERN at RUBIX-AI, Innovative tech solutions **OCTOBER 2024**

Role – Data scientist intern, Team size - 7

- Developed a machine learning model to predict **telecom customer churn** with **92%** accuracy, enabling proactive customer retention.
- Analyzed and preprocessed data from **5,000+** telecom records, identifying key churn indicators such as call duration, international plan usage, and customer service interactions.
- Applied advanced classification models, including **KNN, SVM, Decision tree, Logistic Regression** and **Random Forest**, reducing false positives by **12%.**
- Implemented a Churn Risk Score and introduced a "Churn Flag" variable, driving a **20%** increase in customer retention through targeted marketing strategies.
- Utilized Python libraries such as Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn for data processing, EDA, and model development.
- Delivered actionable insights that improved customer engagement and reduced churn rates.

PROJECTS

House Price Prediction in Machine Learning **September 2024**

- Developed a predictive model for house prices, achieving **90%** accuracy using **Linear Regression**, and improved performance through **hyperparameter tuning**.
- Performed end-to-end **data preprocessing**, including **handling missing values**, **outliers**, and **feature engineering**, to prepare a robust dataset.
- Conducted detailed e**xploratory data analysis (EDA**) and implemented machine learning algorithms like **KNN, SVM**, and **Decision Tree** using Python and Scikit-learn.

(PUBG) Game winner Prediction in Machine Learning **August 2024**

- Developed a predictive model to estimate the win probability of PUBG matches using regression techniques, analyzing key factors influencing game outcomes.
- Performed **exploratory data analysis (EDA)** on a dataset with over **100,000** records, deriving actionable insights and visualizing critical gameplay patterns.
- Applied **machine learning algorithms** (e.g**., Linear Regression, Decision Tree, KNN, Random Forest, Gradient Boosting, and XGBoost** and evaluation metrics to optimize predictive performance.

Pizza Sales Analysis using SQL **July 2024**

- Designed and built **relational database models**, created **SQL queries** to analyze, generated a revenue report showing **total pizza sales** of **₹817,860**.
- Top-Selling Product: Identified Thai Chicken Pizza as the **highest contributing product**, accounting for **5.3%** of **total revenue (₹43,434**).
- Order Patterns: Determined that the **highest volume of orders** occurred at **12 PM daily.**
- Average Orders: Calculated an average of **138 orders per day**, indicating steady customer engagement.
- Leveraged advanced **SQL techniques (joins, subqueries, and aggregations)** to extract actionable insights on sales performance.

EDUCATION

National Institute of Science and Technology
BTech in Mechanical Engineer

CERTIFICATIONS

- **Certified Data scientist** course from **Datamites**