RUPALI THATAR

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Objective

I am curious, Proactive, and passionate about data science and I like to work on data science problems. As a part of my experience, I have been working with data, including processing and cleaning data, data visualization regression analysis, predictive modelling, clustering analysis, time series analysis, text data analysis, data analysis, deep learning using TensorFlow and keras, in addition to it I have excellent communication skills and knowledge of SQL and Besic Power BI.

project

Zomato restaurant rating prediction

The "Zomato Restaurant Rating Prediction" project centers around predicting restaurant ratings on Zomato. It involves analyzing dataset from Pune's bustling food scene with over 12,000 restaurants. The key challenge is understanding why some new establishments struggle to compete with well-established ones. By examining factors like location, cuisine, and customer preferences, the project aims to develop a predictive model that sheds light on how restaurants can stand out in a competitive market.

Key Responsibilities:
- understand and analyze dataset.
- prepare data and Exploration of data .
- Visualize data using various Technique , .
- Managed missing data and categorical variables, enhancing data handling skills.
- Used machine learning model (classification/regression)
- Exploration and Initial Conceptualization,Preparing and Structuring Data,Model Building and Testing,Continuous Progression and Betterment
- Project code and details available at [https://github.com/RupaliPrafullThatar/zomato-restaurant-rating-prediction].

Retail Banking Facility Prediction, (Classification Project)

I successfully contributed to a stock trading project within a retail banking institution. The project's focus was to encourage current customers to embrace new offerings. Leveraging the Logistic Regression algorithm, I played a role in developing a model that assessed the likelihood of existing customers adopting these offerings. This enabled the institution to strategically target and incentivize customers, enhancing the adoption of their new stock trading services.

Key Responsibilities:
- Analyzed customer data
- Cleaned and prepared the dataset, handling missing values and outliers.
- Explored trading behavior patterns and correlations through visualizations.
- Employed classification algorithms (Logistic Regression, Random Forest) and fine-tuned them using cross-validation. Measured model accuracy, precision, recall, and F1-score for robust assessment
- With the segmented groups, the bank could strategically design incentives tailored to each customer segment. This personalized approach enhanced the effectiveness of the incentive strategy.
- Extracted insights into which features influenced the prediction outcomes.
- GitHub: Project code and details available at [https://github.com/RupaliPrafullThatar/Revenue-Grid-Prediction].

Skills

- Programming Languages:
    Python [Pandas, NumPy, Matplotlib Seaborn,Scikit-learn.]

- Database:
    Advanced knowledge of SQL (Structured Query Language) for querying and manipulating relational databases.

- Besic of power BI
- Basic of deep learning
- XL

- Machine Learning :
    Exploratory data analysis, Data Preprocessing , Data Visualization, Model Selection

- Statistical:
    Matrix ,Measures of central tendency [mean ,median,mode]
    Standard D eviation and Variance,
    Central limit theorem,
    Data distribution,Hypothesis Testing.

Internship

Internship : I have done 6 months of master of data science course.

- 3RI Technology, Shivar Chauk, Pimple Saudagar, Pune , Maharashtra
  FEB 2023 - August 2023

Education

Bachelor Of Engineering
Sant Gadge Baba Amravati University
First Class With Distinction
9.3

Diploma
 Government Polytechnic of Washim.
Maharashtra State Board Of Technical Education Mumbai (MSBTE)
70%

Certificates

Master in Data Science

in 3RI Technology Pvt. Ltd.