Vinit Ladse

Data Scientist | Nagpur

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WORK EXPERIENCE

Data Science Trainee
AlmaBetter

10/2021 - Present
Achievements/Tasks

- Skilled in various technical skills Like, Python, SQL, Machine Learning, Deep Learning, Tableau, and implemented on Real – World Data.
- Performed Various project like Yes Bank Stock Closing Price Prediction, Bank Marketing Effectiveness Prediction and Netflix Movies and TV shows Clustering.
- Worked as a Subject Matter Expert and worked towards solving Data Science Related questions over the doubt Resolution Forum.

PROJECTS

Netflix Movies & TV Shows Clustering
AlmaBetter Verified Project

04/2022 - 05/2022,
Tags - K-Means Clustering, NLP, Lemmatization, TF-IDF, PCA, Elbow, Word Cloud

Achievements/Tasks

- Understanding recent year's trend of Netflix with 7.7k TV shows and movies into 15 Clusters helped in garnering insights and how content is being consumed.
- Conducted analysis on data, filled **null values**, checked Netflix's recent year focus by Using visualizations tools and found insights from 8 textual features using **NLP**.
- Cleaned the data by using **lemmatization,** then employed **TF-IDF**, used **PCA** on it, and selected the no. of clusters as **15,** using the **Elbow** method for **K-Means clustering.**
- Calculated **silhouette score** which was **78%** then plotted **word clouds** for each cluster, which helped to differentiate between genres, countries, type of show & other features.
- After applying K - means optimal value of number of clusters is 5.

Bank Marketing Effectiveness Prediction
AlmaBetter Verified Project

02/2022 - 03/2022,
Tags - Logistic Regression, Decision Tree, XGBoost Classifier, K-NN, Correlation Heatmap, Grid-Search CV

Achievements/Tasks

- Built a binary classification model using algorithms such as **Logistic Regression, Decision Tree, XGBoost Classifier** and **KNN** to predict whether a customer will subscribe for a bank term deposit or not.
- Basic data inspection by **Exploratory Data Analysis** using **Matplotlib** and **Seaborn** giving an in-depth intuition to the important features of our dataset.
- Performed **random oversampling technique.** It duplicates the existing data points of minority class and equalizes the ratio of majority and minority class. Then we had done modelling using the **ML classification model**
- Achieved an **F1score** of **0.96** by applying a binary classification model to predict **if** the client will **subscribe a term deposit.**

Yes Bank Stock Closing Price Prediction
AlmaBetter Verified Project

01/2022 - 02/2022
Tags - Linear Regression, Lasso and Ridge Regularization, XGBoost, MAPE

Achievements/Tasks

- Built **regression model** and **time series forecasting model** using historical dataset of one stock of bank to predict the stock closing price for 3 years.
- From model implementation we found out that **XGBoost Regression** gives us the highest **accuracy** which is **99%**
- **XGBoost regression** is best model for yes bank stock closing price data this model use for further prediction.
- Built regression model using **Linear Regression, XGBoost model** with **GridsearchCV.** Selected **linear regression** as best performing model with **MAPE score** of **0.0954** and **XGBoost Regression** as best performing model with **MAPE score** of **0.0196.**

TECHNICAL SKILLS

Languages
Python, SQL

Databases
PostgreSQL, MySQL

ML Frameworks and Platforms
Pandas, NumPy, Matplotlib, Seaborn, Scikit – Learn, Jupyter Notebook, Tableau, Power BI, Excel, Google Colab

ML Algorithms
Regression, Classification, Clustering, NLP, Recommender System

Professional Skills
Data Science, Data Engineering, Data Analytics, Business Analytics, ML Engineering, ML Modelling, ML Deployment, NLP Engineering

RELEVANT COURSEWORK

Full Stack Data Science (12/2021 -Present)
AlmaBetter

ACHIEVEMENTS

HackerRank - Python Gold Badge

HackerRank - SQL Gold Badge

EDUCATION

M.Tech (PEPS)
Gurunanak Institute of Engineering and Technology, Nagpur
11/2020 - 09/2022
CGPA: 7.61

B.E Electrical
Gurunanak Institute of Engineering and Technology, Nagpur
08/2017 - 11/2020
CGPA: 8.55

Diploma in Electrical
MSBTE
08/2015 - 06/2017
Percentage: 58.56%

INTERESTS

Machine Learning   Comedy   Cricket

Listening song