Ranjit Ghadge

Data Science Trainee

A dedicated and motivated Data Science enthusiast with a strong interest in Python, Statistics, and SQL, possessing practical experience in Data Analytics, Data Visualization, and Machine Learning. Along with technical proficiencies, effective communication, and teamwork collaboration are prioritized.

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ACADEMIC PROJECTS

Netflix Movies And TV Shows Clustering
Almabetter Verified ⤴

11/2022 - 12/2022

Tags: Unsupervised ML, Clustering, Count Vectorizer, NLP, Nltk, K-Means, clustering

- Developing a **Recommender System** which Recommends **Netflix** movies and TV shows based on a user's favorite movie or TV show which uses NLP model and a **K- Means Clustering** model to make these recommendations.
- Employed **NLP techniques** such as **text cleaning**, **removing stopwords** & **punctuations**, **stemming**, **lemmatization** & **TFIDF vectorizer**.
- Experimented with **K-means clustering** and evaluated them using **Elbow method** , **Silhouette Analysis** to determine the optimal number of **clusters**
- Got the **optimal number of clusters** equal to **25** and from this **clustering analysis**, created Netflix movies and tv shows **recommendation system**.

Credit Card Default Prediction
AlmaBetter Verified ⤴

10/2022 - 11/2022

Tags: Feature Engineering, Anomaly Detection, Hyperparameter Tuning, Decision Tree

- Developed a **supervised ML** model to predict whether the customer is likely to **default** on their **credit card** or not.
- Conducted a thorough **EDA** to handle **missing values**, **label encoding**, **one hot encoding,** and feature engineering & enhancing data comprehension.
- Handled **Class imbalance** using **SMOTE technique**. Split the dataset into train and test and carried out **hyperparameter tuning** using **GridSearchCV**.
- Experimented with algorithms such as **Logistic Regression**, **Random Forest**, **XGBoost**, **Decision tree**, and **SVM** and selected **XGBoost** based on a **Test Accuracy** of **87.10%** and **AUC score of 87.4%.**

Bike Sharing Demand Prediction
AlmaBetter Verified ⤴

09/2022 - 10/2022

Tags: Data Wrangling, EDA, Linear Regression, Random Forest , Hyperparameter Tuning

- Provide the **bike rental company** of Seoul city with accurate **demand** of the rental bikes required, for **each hour** of the day.
- Employed **feature engineering** techniques and **data preprocessing**. Built a **regression model** using **linear regression**, **L1 & L2 regression,** and **Random Forest Regressor** to predict the **bike demand** in Seoul city.
- Achieved **91% adjusted R2 score** with **Random Forest Regressor** and **hyperparameter tuning** using **GridSearchCV**.

TECH STACK

Expertise in Language & Tools (x/5)
SQL-4.5 || Tableau-4.5 || Python-4 || Excel-4.5 || PowerBi-4.5 || Lookers Studio- 4.5 || GitHub-4.5

Platform
Jupyter Notebook, MySQL, Google Colab, VS Code, PostgreSQL, Tableau, Power BI, Looker Studio

ML Framework
Sci-kit Learn, Pandas, NumPy, MatplotLib, Seaborn

WORK EXPERIENCE

QS & Billing Engineer
Erecon Spaces Pvt.Ltd ⤴

09/2021 - 03/2023

Pune.Maharashtra

Skills: Excel, Tableau, Data Visualization, Good Communication

- Implemented efficient **invoicing systems**, optimizing **cash flow management**, reducing payment cycle time, and resolving **billing discrepancies** with clients and vendors.
- Streamlined complex quantity surveying through **cost optimization**, **rate analysis**, accurate **tendering processes** & efficient **contract negotiation**
- Proactively tracked **project costs** and **billing cycles**, conducting **reconciliations** of material consumption.

TRAINING EXPERIENCE

Data Science Trainee
Almabetter ⤴

06/2022 - Present

Bengaluru, Karnataka

Skills: Python, SQL, Machine Learning, Tableau, Power BI, Teamwork

- Learned skills like **Feature Engineering**, **EDA**, **Tableau**, **PowerBI**, and **Looker Studio.**
- Worked on Case studies Like **Danny's Dinner** and **Pizza Runner** and gained proficiency in **SQL** and **Python.**
- Got hands-on experience in **SQL, Python** & **ML Algorithms** of **Supervised & Unsupervised ML.**

ACHIEVEMENTS

Gold Badge in Python and SQL ⤴
Hackerrank || 650+ points in SQL and 405+ points in Python

LinkedIn Badge in SQL ⤴
In the top 15% of 2.0M people.

EDUCATION

B.E in Civil Engineering
DIET, Satara ⤴

Percentage - 70.11% || 2016- 2020

PUBLICATIONS

Medium Blog
Machine Learning Use Cases in Banking, Finance, and Insurance ⤴
2023