Pranjali Mittal

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PROFILE

- Post Graduated in Data Science and Engineering with having 1 year of experience in software development using Java, PostgreSQL, and JavaScript.
- Worked on a variety of projects in Machine Learning. Very good conceptual and practical understating of machine learning algorithms, and Deep learning algorithms.
- Excellent knowledge in Visualization using Tableau, python (plotly, seaborn, matplotlib).
- Looking to leverage my knowledge and experience into a role as Data Scientist.

PROFESSIONAL EXPERIENCE

09/2018 – 07/2019
Mumbai, India

Exponential solutions and consultancy services
Junior Software Engineer

Project 1: RMP (Runner Mobilization Platform)
Project 2: UCare Health(Book a ride feature)
Environment : Tomcat 8.5, Hibernate 5, PostgreSQL 9.6, JQuery.
Languages: Java, JavaScript(Scripting language).
Tools: Eclipse Oxygen.
Responsibilities :
- Work within a team of highly talented engineers, product, and architects to design and develop a highly-scalable and configurable Runner Mobilization Platform.
- Integrated Google Maps API in Application.
- End to end Manual Testing of the feature added in the application.

PROJECTS

11/2020 – 11/2020

HackerEarth Challenge "Carnival Wars!" (Machine Learning) ↗
Predict the Price

The aim was to build a sophisticated Machine Learning model that predicts the **selling prices** of products based on the mentioned factors like **product** and **market categories**, **quality** and **demand** of the product, its **minimum** and **maximum prices**, **available discounts** applicable to the product.
- Techniques: **scikit-learn, Seaborn, matplotlib, pandas, Linear Regression, Lasso Regression, Decision Tree, Random Forest, CatBoost Regressor, LightGBM Regressor, and Voting Regressor.**
- Language: Python.
- Summary: Performed various Data Preprocessing steps like Dummifying and **Count Encoding** of categorical variables. Extracted informative data from **instock_date** column like **month**, **dayofweek**, **weekofyear** using pandas. Handled outliers using **Boxplot** and **Catplot** Visualization. Further, applied various models on which **CatBoost** performed the best with a **90.04** score.

| 07/2020 – 09/2020 | **Data Science Projects (Unsupervised Machine Learning Models)** |
| | *Comparison of various Clustering Algorithms Using Credit Card General dataset* |

This case requires to develop of a Customer Segmentation to define Marketing Strategy. The sample Data set summarizes the usage behavior of about 9000 active Credit Cardholders during the last 6 months. The file is at a customer level with 18 behavioral variables.

Content & Algorithms :
Data Preprocessing, Clustering using K-Means, MiniBatch K-Means, Hierarchical Clustering, DBSCAN, GaussianMixture Model, MeanShift, Silhouette, Elbow Method, Dendrogram, **Visualization** of Clusters using PCA, Interpretation of Clusters.

Language:
Python (and Seaborn library in Python for Data Visualization).

EDUCATION

04/2020 – 02/2021	**International School of Engineering (INSOFE)**
Hyderabad	*Post Graduate Program, Data Science & Analytics*
	The program is certified for the quality, pedagogy, and assessment by **LTI of Carnegie Mellon University, USA.**

| 2013 – 2017 | **Government College of Engineering Raipur** |
| | *Bachelor of Engineering (B.E.), ENTC* |

SKILLS

Programming Languages
• *Python*
• *R*

Machine Learning (Supervised)
• *Linear Regression*
• *Logistic Regression*
• *Naïve Bayes*
• *K-Nearest Neighbor Classification and Regression*
• *Decision Trees*
• *Random Forest*
• *Support Vector Machine*
• *Xgboost and Adaboost*

Deep Learning
• *Artificial Neural Networks*
• *Convolution Neural Networks*
• *Recurrent Neural Networks*
• *LSTM*

Computer Vision

Database
• *SQL*

Inferential Statistics
• *Confidence Interval*
• *Hypothesis Testing*
• *Probability*

Machine Learning (Unsupervised)
• *Dimensionality Reduction Techniques (PCA & SVD)*
• *Clustering*
• *Association Rule Mining*
• *Embeddings (Glove, word2vec, ELMo)*

Natural Language Processing (NLP)

Tools
• *Tableau*
• *Microsoft Excel*

Deployment
• *Docker*

LANGUAGES

• English   • Hindi