Mayur Kolki

Data Analyst | Machine Learning Engineer | Data Scientist

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EDUCATION

PGP in Data Science
Imarticus Learning , Congress House Rd, Near Shivajinagar, Pune, **August, 2020-May, 2021**

B.E. in Information Technology
NBN Sinhgad School of Engineering, Pune **August, 2014 – oct, 2019**

SKILLS

Programming: Python, R, SQL, MySQL, Git, Tensorflow **Visualization Tools:** Tableau, Power BI, MS-Excel
Relevant Courses: Machine Learning, Natural Language Processing, Probability and Statistics, Data Analytics and Data Mining, Data Structures, Database Management System, Big Data Technologies

ACADEMIC PROJECTS

- **Car Price Prediction:** Aim of the problem was to predict the price of the car. Performed **Feature engineering,** exploratory data analysis, **handling of categorical data**, **Hyperparameter tuning.** Compared the results given by various the Regression models. Random Forest Regression gave the best results. Used the Flask framework for web application and **deployed** on local host.

- **Bank Churn**: Aim was to do binary classification of the customer • **EDA**, **Feature Engineering** • Cleaned the dataset , as it had lots of garb information like id, name , address etc • Converted 'categorical' to **dummy** variables • built **logistic regression** model on train data • predicted on test data , built confusion matrix, classification report.

- Case study on Corona virus " **https://www.worldometers.info/coronavirus/country/india/** " this website helped to get the revisied data , From which we where able to draw graphs , plot the areas wise spread and recovery death rate , Pretty good **insight /patterns** where brought . Monthly , weekly , data with respect to region wise graph where plot. We did the **analysis** based on the **rate** of **change** weekly.

- Stock forecast : Project Description , study of "mrf" stock predictions • made the **data sequential** • checked EDA • checked the data **stationary** or not, it was not so took **lag** and made the data stationary. • plot the **PACF**, **ACF** • built **ARIMA** model • **forecasted** for next 12 Months.

- Recommender systems: Project Description, study the book recommender, movie recommender We have built 2 types of recommender system i)**KNN** ii)**multicollinearity** based.

- Image classification Project Description : Multiclassification of Images using **CNN** Deep learning • obtained the input image • **Convolution** which gives **feature Maps • Pooling • Flatten** • Fully connected layer (neural network model) **Dense** layer • **compile** • image **augmentation • fit** the model • **predict** the test image.

FUNCTIONAL RESPONSIBILTIES

- Involved in Data Pre-Processing Technique for making the data useful for creating Machine Learning models.
- Involved in creating various Regression and classification model by using sci-kit learn libraries such as Linear Regression ,Decision Trees, Navie Bayes, Random Forests, Support Vector Machines, K Nearest Neighbors.
- Involved in excuting multiple Data Science projects end to end.

CERTIFICATIONS

Data Science ,Data Analytics, stats , ml with R, ml with python , dl with python, sql done from **Imarticus Learning, Pune**