SRINATH REDDY

MAIN OBJECTIVE

A proactive and fast learning data lover seeking an opportunity to work, utilizing logical & analytical skills in a proficient way to help the corporate achieve business goals. Hence, I seek a challenging position in the area of Data Analytics, Data Science, Business Analysis & related fields where I can share my skills & expand my capabilities further in the pursuit of progressive career advancement.

EXPERIENCE

Project #1 : Wafer Fault Detection

- 1. This project helps us to detect whether a particular **Wafer Sensor**(which is a thin slice of the semiconductor used for the fabrication of integrated circuits) needs to be replaced or not.
- 3. Automated Data pipeline that can go through various stages like **Data validation, transformation, pre-processing, clustering, hyperparameter tuning and,** selecting the **best algorithm** based on **Accuray score** and **AUC Score**

    Code:- **https://github.com/reddysrinath16/wafer_fault_detection**
    App link:- **https://waferfaultdetection16.herokuapp.com/**

(note:- provide proper data for the model to give result (use README.md documentation))

Project #2: Bengaluru House Price Prediction

- This Machine Learning project helps to **estimate the price** of the Houses in the Bengaluru area based on historical data.
- Data Transformation, Feature Engineering, Derived some Features, Some Outlier Removal, and OneHotEncoding was used as there were **1200+** unique locations
- **Linear Regression, Lasso Regression, and Decision Tree Regression** was used for our model but Linear Regression was performing well**(84.77%)** as we were focused more on(**KFold** cross-validation to measure the accuracy **82-86%**)

    Code:- **https://github.com/reddysrinath16/BengaluruHousePricePrediction**

Project #3: Admission Results

- 1. The objective of this project was to predict the **chances of admission** for a particular student where a list of inputs has to be given for our model to give results.
- 2. To build and Train a Machine Learning Model using **Linear Regression, Lasso Regression, Ridge Regression, and ElasticNet Regression.**
- 3. Except **Elastic** we found that there is only a slight variation in the score (**84 to 84.5%**) and it decreased **2-3%** as we also **R Square/Adjusted R Square.**

    Project code:- **https://github.com/reddysrinath16/Admisson_PredictionML**
    App link:- **https://mladmissionprediction.herokuapp.com/**

Power Bi - Project Sales Insights and Performance by Markets

INSIGHTS:-

- Our top Customers revenue contribution was **42%**, and **profit margin** was **2.3%**, but we see a huge volume of sales from them and overall profit revenue was around 37% which is still the highest
- Some Markets were giving bigger **profit margins**, but the **market capitalization** was less than **0.3%**, so we can focus more on market capitalization to gain more sales and **eliminate losses** making markets
- The **top 5 Markets** were driving **93%** of our revenue
- To decide which markets and customers to focus more on and also to stop some of our dealing based on insights through our dashboard

    Project Overview:- **http://surl.li/bcgbt**

Tableau - Project Sales Infrastructure Overview

- This project focuses on sales of different Products across different states in the USA
- 2. Sales By Categories, Average Shipping cost, Overall Sales/Profit by States and many more factors

    DashBoard:- **http://surl.li/bcgbl**

CONTACT

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SKILLSET

- **Python: NumPy , Pandas, Scipy, Matplotlib, Seaborn**
- **SQL : MySQL**
- **Bi Tools: Tableau Desktop, PowerBi**
- **Machine Learning**
- **Statistics**

CERTIFICATION/ PROGRAMS

- Data Analytics Virtual Internship (Kpgm)
- Power BI Virtual Case Experience (Pwc)

EDUCATION

University of Mumbai

- Bachelor of Science Information Technology
- 2017 - 2020, CGPA: 8.27

HSC | R.D National College

- 2015 - 2017, Percentage : 57.69 %

SSC | St. Joseph's High School

- 2010 - 2015, Percentage : 84%