Siva Prakash

Data Science Enthusiast

A motivated student, seeking opportunities where I can utilize my analytical, mathematical and technical skills to solve real life problems related to analyzing a big volume of datasets to draw insights that can help with business decisions.

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WORKSHOP

Data Science Trainee
Goeduhub Technologies

05/2021 - 08/2021

Achievements/Tasks

- Collecting, Cleaning and Analyzing data using python's packages such as **numpy**, **pandas**, **matplotlib**, **seaborn**, **plotly** and **holoviews.**
- Resampling imbalanced datasets with various **over and under sampling methods** using python's **imbalanced-learn** package.
- Implementing various regression, classification and clustering algorithms on different datasets using python's **scikit-learn** package.
- Building content based recommender system using **cosine similarity** method using scikit-learn package.
- Deploying trained machine learning models using **flask** web framework and **heroku** cloud platform.

EDUCATION

Bachelor of Computer Applications
Apollo Arts & Science College

06/2019 - 06/2022

Master of Computer Applications
College of Engineering, Guindy

10/2022 - Present

SKILLS

Python | C/C++ | Golang | Elixir | PostgreSQL | MongoDB | SQLite | FastAPI | HTML5 / CSS3 | Google Cloud | Git/Github | Data Analytics | Machine Learning | Visual Studio Code

PERSONAL PROJECTS

Pricefy (06/2022 - Present)

- Pricefy app is used to predict the price of the car based on car's present price, years, kilometers driven, no of owners, fuel type, seller type and transmission mode.
- Used **frequency encoding** technique for categorical feature encoding.
- Trained a **random forest regressor** model with ***Explained Variance Score*** of 98.59 and ***R2 square score*** of 98.58.
- Source code : https://github.com/Prakashdeveloper03/Pricefy
- View app : https://pricefy.onrender.com/

Diabetes Predictor App (06/2022 - 06/2022)

- Diabetes Predictor App used to predict whether a person has diabetes or not based on certain input parameters created using python's scikit-learn, fastapi, numpy and joblib packages.
- Used **SMOTETomek** method to resample imbalanced dataset using python's **imbalanced-learn** package.
- Trained a **random forest classifier** model with an **accuracy** of 97.15 and **F1 Score** of 97.23.
- Source code : https://github.com/Prakashdeveloper03/Diabetes-Predictor
- View app : https://diabetesclassify.onrender.com/

CERTIFICATES

Machine Learning Specialization - Coursera

Machine Learning Specialization on Google Cloud - Coursera