

# Siva Prakash

## Data Scientist

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

Chennai

### Master of Computer Applications College of Engineering, Guindy

10/2022 - Present

## SKILLS

Python

C/C++

Javascript

PostgreSQL

MongoDB

FastAPI

Google Cloud

Power BI

Linux

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.herokuapp.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://diabetes-predictor-fastapi.herokuapp.com/>