



Laptop Price Predictor

01

Meet The Team



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Table Of Content

01.Cover -----	01
02.About Us -----	02
03.Problem -----	04
04.Background -----	05
05.Business Goals -----	06
06.Implementation-----	07
07.Challenges & Solutions -----	08
08.Further Implementation & Developing Goals -----	09
09.Deployment & Project View -----	10
10.End -----	11





Describing Problem Statement

We will make a project for Laptop price prediction. The problem statement is that if any user wants to buy a laptop then our application should be compatible to provide a tentative price of laptop according to the user configurations.

Although it looks like a simple project or just developing a model, the dataset we have is noisy and needs lots of feature engineering, and preprocessing that will drive your interest in developing this project.

Background



Laptop price prediction especially when the laptop is coming direct from the factory to Electronic Market/ Stores, is both a critical and important task

Accurate Laptop price prediction involves expert knowledge, because price usually depends on many distinctive features and factors.

The problem statement is that if any user wants to buy a laptop then our application should be compatible to provide a tentative price of laptop according to the user configurations.

This selected data set includes the data of different types of laptop models. By using this data set, we planned to build a model that can be used to predict laptop prices over different kinds of features.



Business Goals

And the laptop sellers can deploy this model on their websites in order to give reliable service for their customers. So, it will help the customers of the laptop store, to plan their budget for the laptop they want, before going to the market without the help of a sales representative.



Implementation

We use 2 different classification models to predict default of the laptop prices

- 1) Decision Tree
- 2) Random Forest Tree

Interface were implemented using Streamlit.

Integrated project was pushed into Github and deployed in Heroku



Challenges & Solutions

There was a Large number of dataset to be preprocessed

Dataset was imbalanced and did some under sampling to be balanced.

Took most related columns amoung 40 columns using feature relevance.



Further Implementation & Developing Goals

Develop the system aiming laptop shops working workers to make thier work easily.

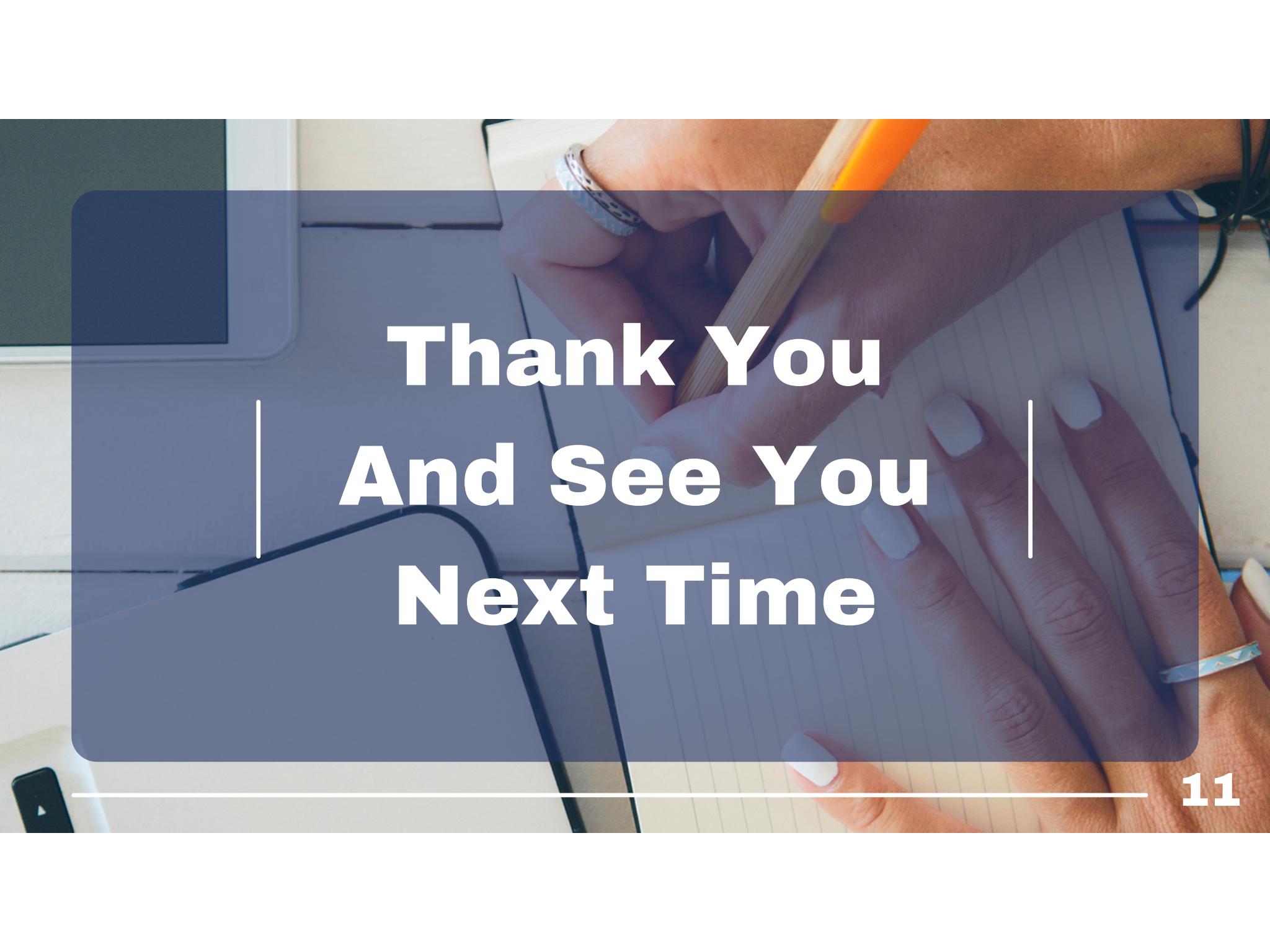
Build a product as solution to the laptop shops who struggling with buying laptop.

Deployment & Project View

View the deployed project go through this link

<https://laptoppricepredictionwebapp.herokuapp.com/>





**Thank You
And See You
Next Time**