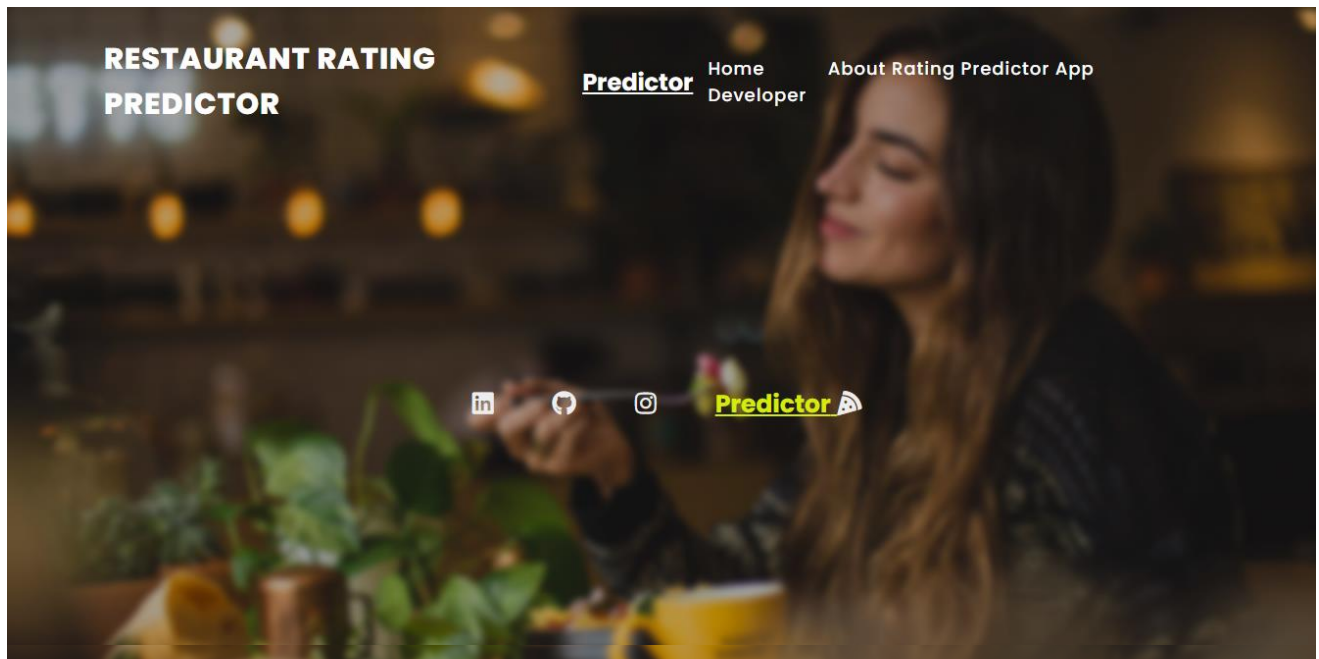


Restaurant Rating Prediction

Wireframe Documentation

Homepage

First, we will land into the homepage where we will be able to see the details of the application. The social media link, developer details, motive of the applications are mentioned here.



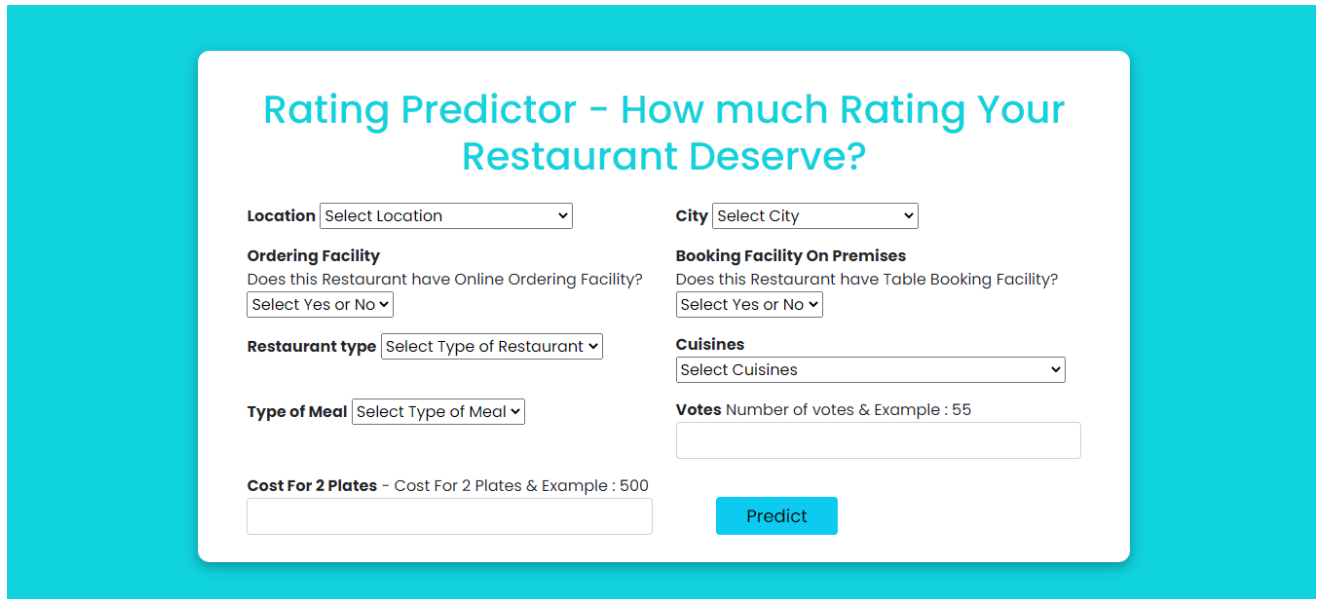
About Restaurant Rating Predictor

Restaurant Rating Predictor is a web app which has a Machine Learning model running at the back. The purpose of developing this app is to predict the approximate ratings of a restaurant. This model is based on the "Zomato Restaurant Bangalore Data". The codes for this project is in my [Github repo](#). This predictor application works perfectly for Bangalore Restaurants. It can be scaled and extended to all other locations of India. This predictor application uses ML model. We have used Ensemble model for this prediction. Extremely Randomized Trees (EXTRA Trees) is used for this prediction.

Extremely Randomized Trees uses the whole original sample instead of bootstrap replica (random sampling with replacement). It will reduce bias. Choosing randomly the split point reduces the variance. Computation time for Extra trees is much faster than the Random Forest Regressor. It is faster because Extra trees randomly chooses the split point and does not calculate the optimal split like Random forest. This predicts the rating 93% accurately.

THIS PREDICTOR WORKS ONLY FOR BANGLORE . IT CAN BE SCALED AND EXTENDED TO OTHER LOCATIONS IN FUTURE

The User will be able to see the Restaurant Rating Predictor Link. After clicking the link, it will be redirected to the main page.

A screenshot of a web form titled "Rating Predictor - How much Rating Your Restaurant Deserve?". The form is set against a light blue background. It contains several input fields: "Location" and "City" are dropdown menus; "Ordering Facility" and "Booking Facility On Premises" are "Select Yes or No" dropdowns; "Restaurant type" and "Cuisines" are dropdown menus; "Type of Meal" is a dropdown menu; and "Cost For 2 Plates" is a text input field with an example of 500. There is also a "Votes" section with a text input field and an example of 55. A blue "Predict" button is located at the bottom right of the form.

Rating Predictor - How much Rating Your Restaurant Deserve?

Location

City

Ordering Facility
Does this Restaurant have Online Ordering Facility?

Booking Facility On Premises
Does this Restaurant have Table Booking Facility?

Restaurant type

Cuisines

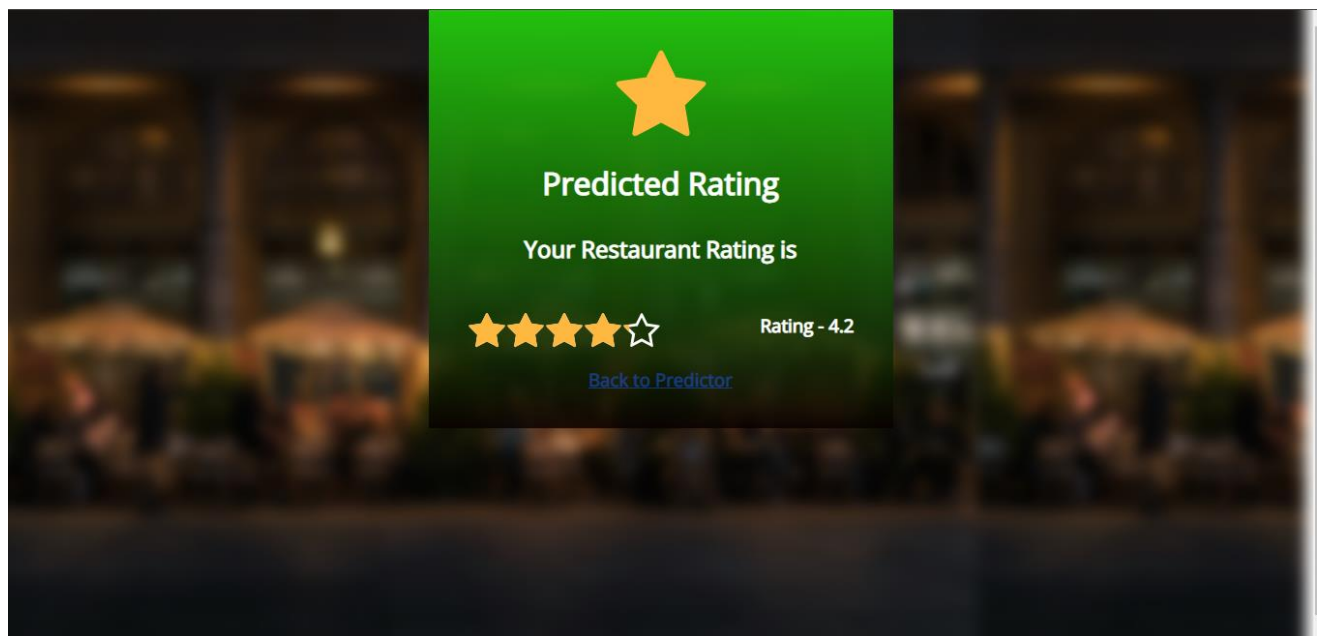
Type of Meal

Votes Number of votes & Example : 55

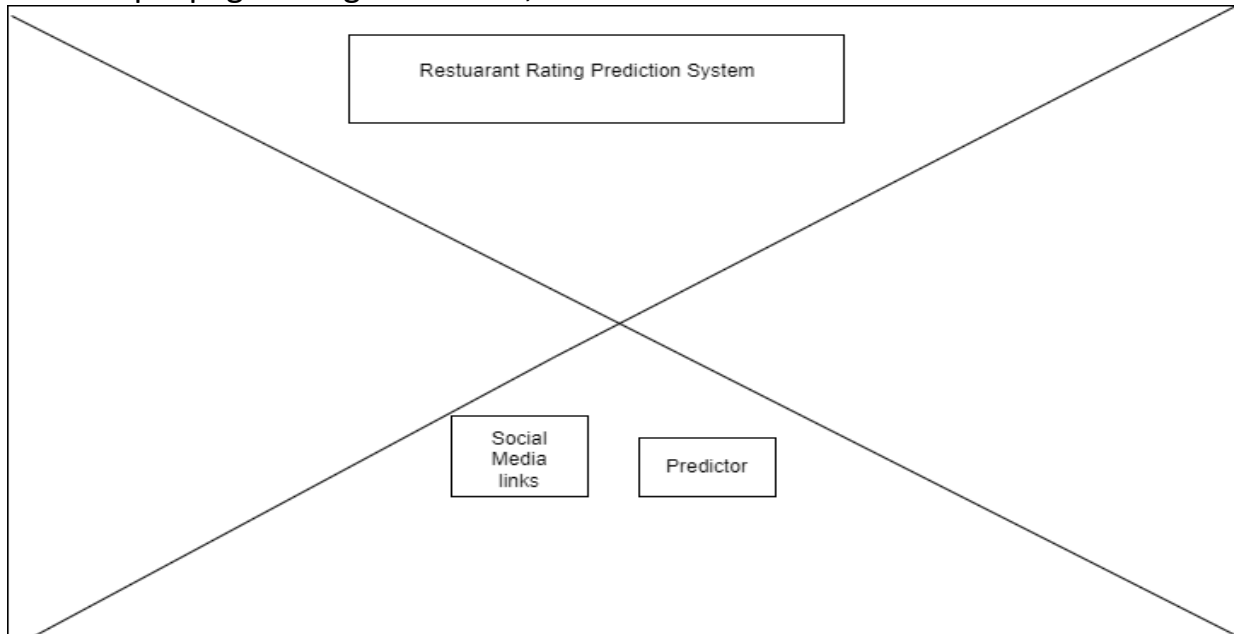
Cost For 2 Plates - Cost For 2 Plates & Example : 500

[Predict](#)

Based on User's input, Rating Predictor system will provide rating to User on another page. A sample view result page is here,



The sample pages are given below,



The **Crossed Sections** in above sample can be used for images of food & restaurants as background to give user a good experience.

