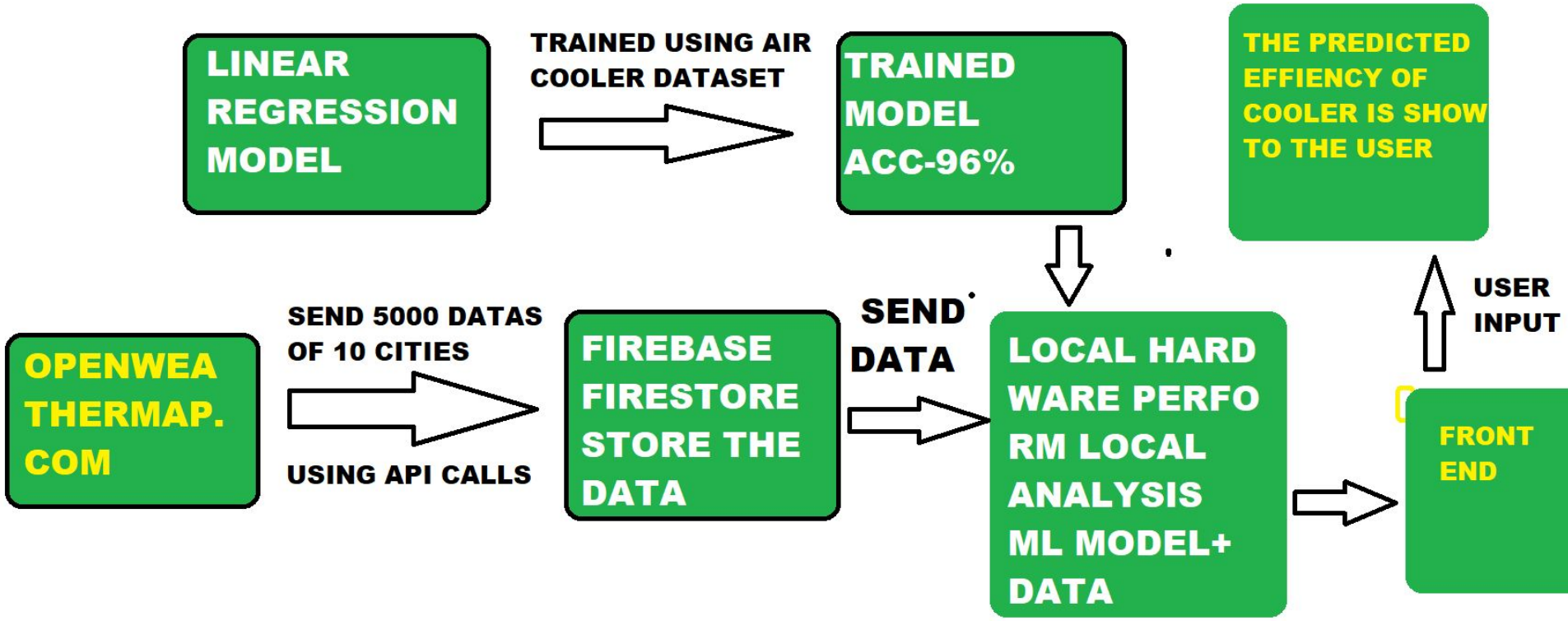
PREDICTION OF AIR-COOLER PERFORMANCE

Team Members Contribution

S.no.	Reg.No.	Student Name	Contribution
1.	18BIT0003	ANUPAM KUMAR THAKUR	ML MODEL, BACKEND DEVELOPMENT
2.	18BIT0011	AYUSH KUMAR	FRONT-END DEVELOPMENT, DOCUMENTATION

METHODOLOGY



Methodology

There are three part of our project:

1.The first part is that we have collected a pre-recorded data set from internet that contain temperature, humidity and output temperature

2. Then the second part we have done is train our linear regression model to predict the output temperature based on the dataset. We have used the linear regression model to find the linearity between input and output.

#the accuracy we have achieved is around 96%

#if user want a performance for a specific location he can send us with the data collected using hardware

METHODOLOGY

3.Come to the next part we have collect the real-time data :

Our project is about to predict the performance of air cooler. For that we have collected the data of 10 most populous city of our country.

B.We have collected more than 5000 data in real time using weatherapi.com and stored it in firebase database. Then we copied all these data into our system(local storage).

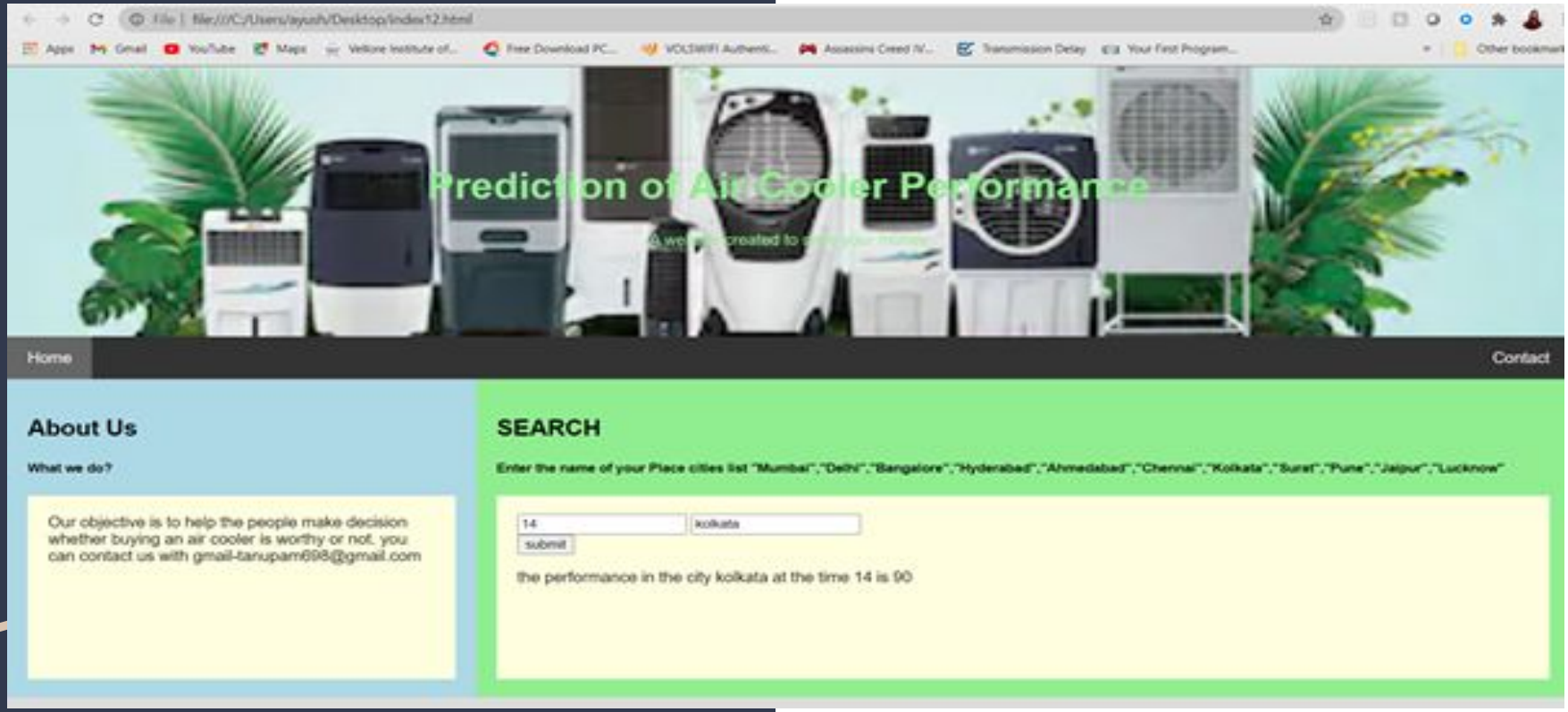
C. Then we predict the output performance using the machine learning model that we have trained with the pre-recorded data.

Front-end Development

We have used html and css for the creation and designing of the website.

We have used javascript for the user interaction purpose and to connect the website to firebase where the data entered by the user is sent and all the data for temperature and humidity is stored. It is also being used to call the weather api.

RESULTS


Prediction of Air Cooler Performance
Home
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About Us
What we do?
Our objective is to help the people make decision whether buying an air cooler is worthy or not. you can contact us with gmail-tanupam698@gmail.com
SEARCH
Enter the name of your Place cities list "Mumbai","Delhi","Bangalore","Hyderabad","Ahmedabad","Chennai","Kolkata","Surat","Pune","Jaipur","Lucknow"
14
kolkata
submit
the performance in the city kolkata at the time 14 is 90

Thank You