

Socially Relevant Project

Guide: Sai Ramesh sir

Disease Prediction System

Using machine learning and flask

Team members

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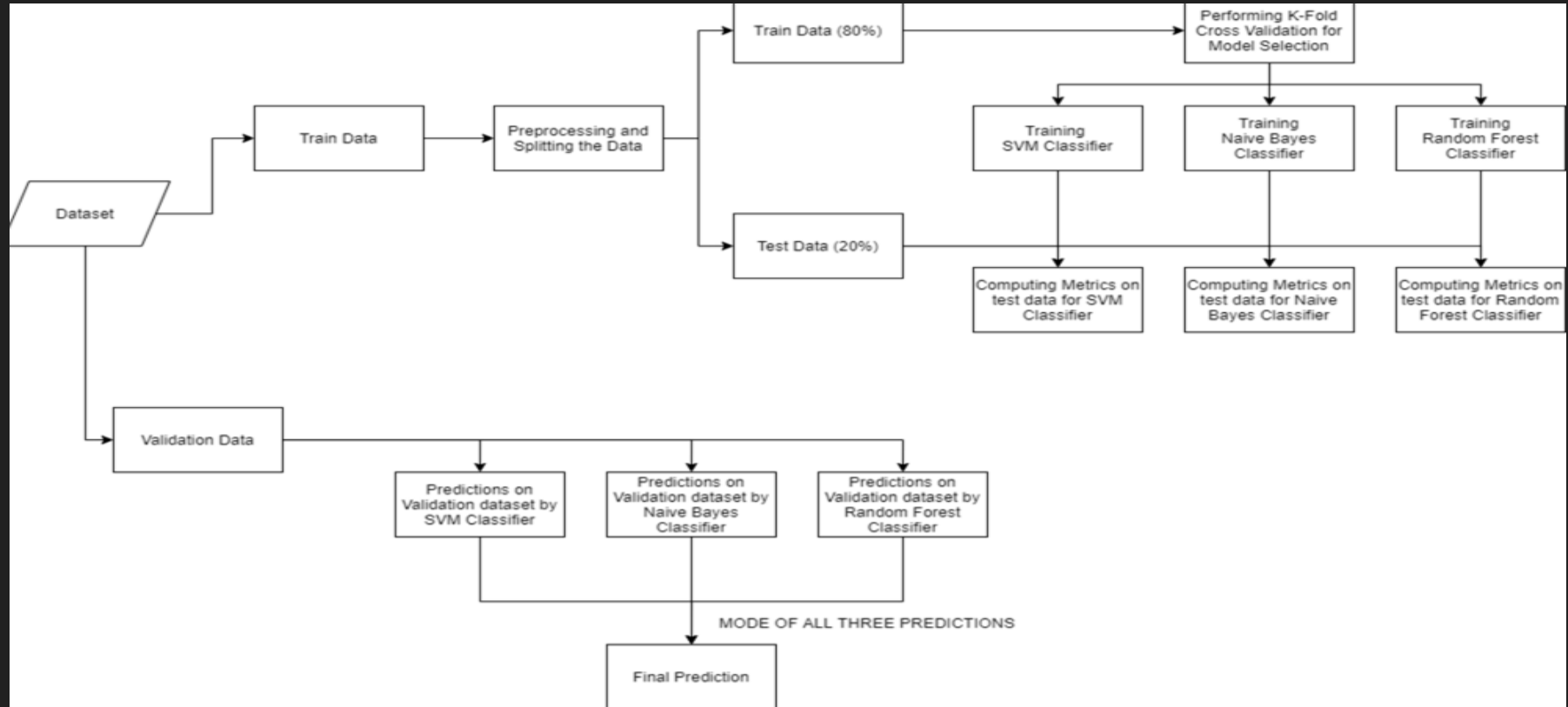
Abstract

- Taking Maximum of five symptoms from the user ,and minimum of one classify the a disease based on the symptom given by the user
- Each CSV file has 133 columns. 132 of these columns are symptoms that a person experiences and last column is the prognosis.
- These symptoms are mapped to 42 diseases you can classify these set of symptoms to.
- Also finds, Nearest doctor based on the current location

Approach


- Gathering the data
- Cleaning the data
- Model Building
- Predicting Score

Workflow for implementation



Home Page

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Disease Predictor

HOME ABOUT US

Symptom checkerFind My DoctorRemedy

Symptom Checker

Symptom1

Symptom2

Symptom3


Symptom4

Symptom5

Check

Classification of symptoms using ML Model

← → ↻ ⓘ 127.0.0.1:5000/disease_predict 🔍 📄 ☆ 🐛 ⚙️ □ 🌐 ⋮



Care For You

HOME

Symptom checkerFind My DoctorKnow My Drug

Symptom Checker

Symptom1

chills

Symptom2

shivering

Symptom3

stomach_pain

Symptom4


Symptom5

Check

There are chances you may have Allergy

Find My Doctor

← → ↻ 127.0.0.1:5000 🔍 📄 ☆ 🐛 ⚙️ □ 🌐 ⋮



Disease Predictor

HOME ABOUT US

Symptom checker

Find My Doctor


Remedy

Find My Doctor

Search

If you simply search ,it will show all hospital at a radius of 4km

← → ↻ ⓘ 127.0.0.1:5000/find_doctor



Care For You

[HOME](#)

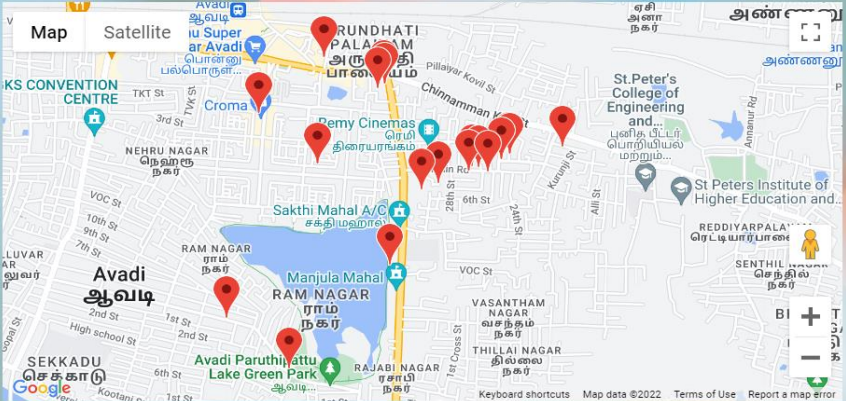
Symptom checker

Find My Doctor

Know My Drug

Find My Doctor

Search



Map Satellite

Avadi
ஆவடி

SEKKADU
செக்காடு

RAM NAGAR
ராம நகர்

Manjula Mahal
மங்குலா மாஹல்

Avadi Paruthiattu
ஆவடி பரூதித்து

RAM NAGAR
ராம நகர்

VASANTHAM NAGAR
வசந்தம் நகர்

THILLAI NAGAR
தில்லை நகர்

St. Peter's College of Engineering and...
புனித பீட்டர் பொறியியல் கல்லூரி

St. Peter's Institute of Higher Education and...
புனித பீட்டர் உயர் கல்வியியல் கல்லூரி

REDDIYARPALA
ரெட்டியார்குளம்

SENTHIL
செந்தில்

Keyboard shortcuts Map data ©2022 Terms of Use Report a map error

If you click the marker it show directions using standard google maps

The screenshot displays the Google Maps interface on a web browser. The left sidebar contains the search and navigation controls. The main map area shows a blue route from Rajkumar House to 4473+G3W. A red marker is placed at the destination, and a blue line indicates the route. The route is labeled with a 4-minute travel time and 1.4 km distance. The map also shows various landmarks, including hospitals, markets, and religious sites. The bottom of the screen displays the Google Maps logo and copyright information.

sheikh-haji/SRP x Welcome – mapapi – Google Clo x 127.0.0.1:5000/find_doctor x Rajkumar House, Plot No.1, 1st St x +

google.com/maps/dir/13.1101831,80.1093461/13.1138688,80.1026753/@13.1124943,80.1017487,16z/data=!3m1!4b1

Gas Groceries Hotels More

Rajkumar House, Plot No.1, 1st St, JB Est

4473+G3W, Ramalingapuram, Avadi, TNH

Add destination

Leave now Options

Send directions to your phone

via Avadi Main Rd/Poonamallee - Avadi High Rd 4 min 1.4 km
Fastest route now due to traffic conditions
Details

2:05 PM—2:20 PM 15 min
62 / 65KCT / 206 / 266 / 266CT

via Avadi Main Rd/Poonamallee - Avadi High Rd 17 min 1.4 km

15 min every 2 min

17 min 1.4 km

4 min 1.4 km

Rajkumar House

Sakthi Mahal A/C

JAIGOPAL GARODIA VIVEKANANDA...


Manjula Mahal

Google

Map data ©2022 India Terms Privacy Send feedback 200 m

In search Tab you can give custom places and get all near hospitals at the radius of 4km

← → ↻ 127.0.0.1:5000/find_doctor 🔍 📄 ☆ 🐛 ⚙️ 🖨️ 🌐



Care For You


[HOME](#)

Symptom checker Find My Doctor Know My Drug

Find My Doctor

college of engineering guindy

Search



Map Satellite

LE MOUNT
லிடில் மௌன்ட்

Rainbow Children's Hospital
ரெய்ன்டோ குழந்தைகள் மருத்துவமனை

Little Mount
லிடில் மௌன்ட்

SRINAGAR COLONY
ஸ்ரீநகர் காலனி

VENKTA PURAM
வேங்கடபுரம்

GUINDY
கிண்டி

GUINDY NATIONAL PARK
கிண்டி தேய்வனல் பூங்கா

Gandhi Mandapam
காந்தி மண்டபம்

Anna University
அண்ணாமலை பல்கலைக்கழகம்

KOTTURPURAM
கோடூர்புரம்

VARADAPURAM
வரதபுரம்

DURASAMY NAGAR
துரைசாமி நகர்

Kotturpuram
கோடூர்புரம்

GANDHINAGAR
காந்தி நகர்

Madhya Kailash Temple
மத்திய கைலாஷ்

Over Head Water Tank
கல்தூர்புரம்

Kasthurba Nagar
கஸ்தூர்புரம்

PALLIPAT
பள்ளிப்பட்டு

Report a map error

Remedy of Diseases

← → ↻ ⓘ 127.0.0.1:5000/remedy



Care For You

HOME

Symptom checker

Find My Doctor

Know My Drug

Remedy

Name

Allergy

Know about it

Get a Good Sound Sleep
,And drink Warm water
,gurgle with salt water

OUTCOME

- Based on the Given symptoms the Model classifies the disease based on the symptoms given
- The accuracy of the models is given below→

```
Decision Tree Accuracy: 0.8902743142144638  
Naive Bayes Accuracy: 0.9501246882793017  
Support Vector Accuracy: 0.9501246882793017  
Random Forest Accuracy: 0.9501246882793017
```

- The project also finds the nearest doctor using google js API and google geocoding API, Places API, Geolocation API
- Hosted in GCP →
- <https://mapapi-352916.el.r.appspot.com>