MediCare

USER MANUAL

Author: Utkarsh Gupta

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Acknowledgements

- **I am immensely thankful to Clevered, Mr Ken, my parents, group members, and friends for their efforts in guiding me in my journey of AI and ML. Their own ideas and elegance of explanation of everything, I need to mention my deepest sense of appreciation. I also extend thanks to all the staff members for their enormous cooperation within the organization for mentoring me and assisting me in every possible way.**

About Me..

- Student's Photograph
- Student's Introduction

Name: Utkarsh Gupta
Age: 16 years old
Grade: 12
Took computer science in 11th/12th grade and hoping to major in computers for my undergrad.
What interests me in AI:
The current era is the era of data with ginormous amounts of data being generated every minute. Furthermore, the rise of AI and the revolution it has brought about has truly been captivating. AI has several applications in every field, and I have always been riveted by programming and math, and AI and ML serve both my interests very well.

About My Internship Journey with Clevered..

- Your Internship Experience with Clevered

  - How the internship has been:

I have had the opportunity to learn a lot from the internship such as libraries important for data manipulation, creating a GUI, introducing to the field of machine learning, and meeting new people as well.

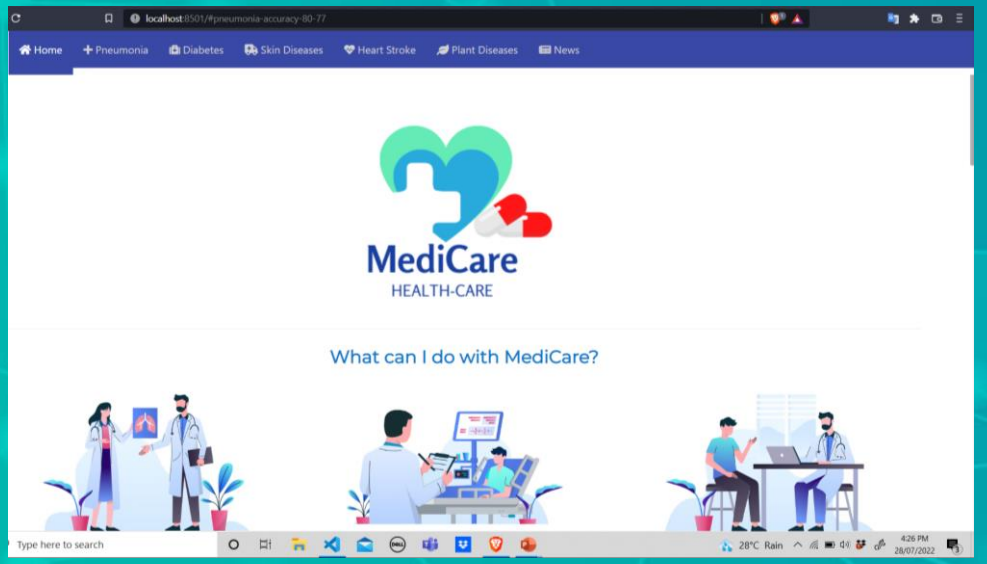
  - Badges earned:

Several rockstar badges for timely submission and for efforts put into completing the assignment as well as for appropriate use of resources.

About App..

- App’s Main Menu

The app’s main menu includes a sticky navigation bar on top to easily access the various disease identification features as well as a home page with my logo and what I provide as a service with a disclaimer



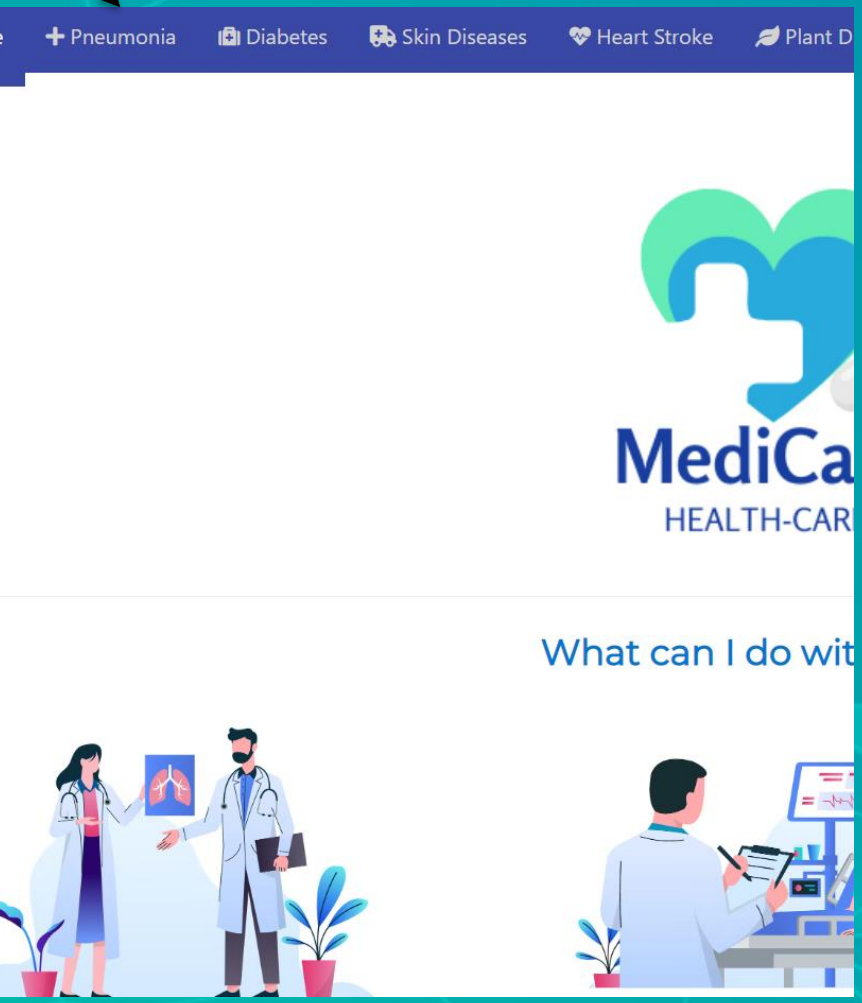
- App’s Introduction

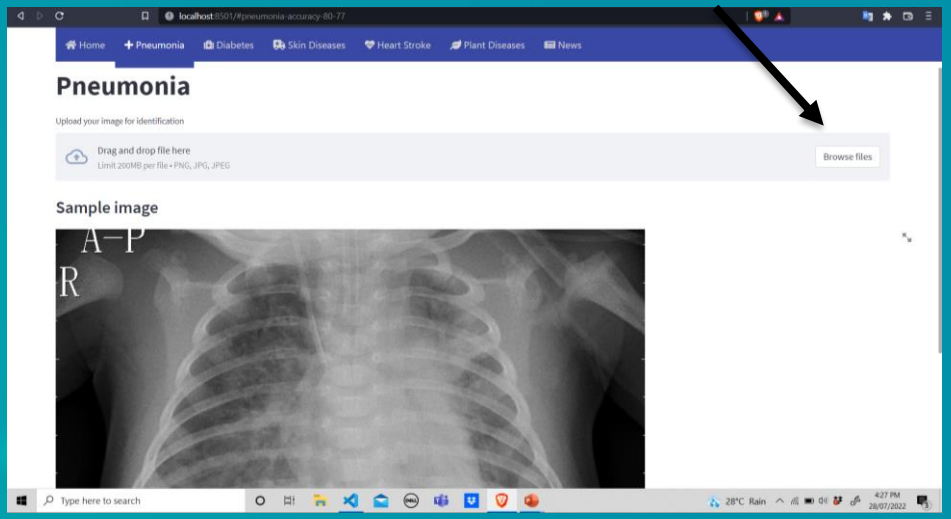
Problem: In recent times, there has been an increase in several diseases and health issues. It is important to identify them and get them treated quickly. It is simply not practical for a person to go to a doctor every time for various reasons.

The solution to this is disease prediction using ML and deep learning. The user would have to input an image or relevant details for the model to predict what type of disease/onset they are having.

How do I use the App?

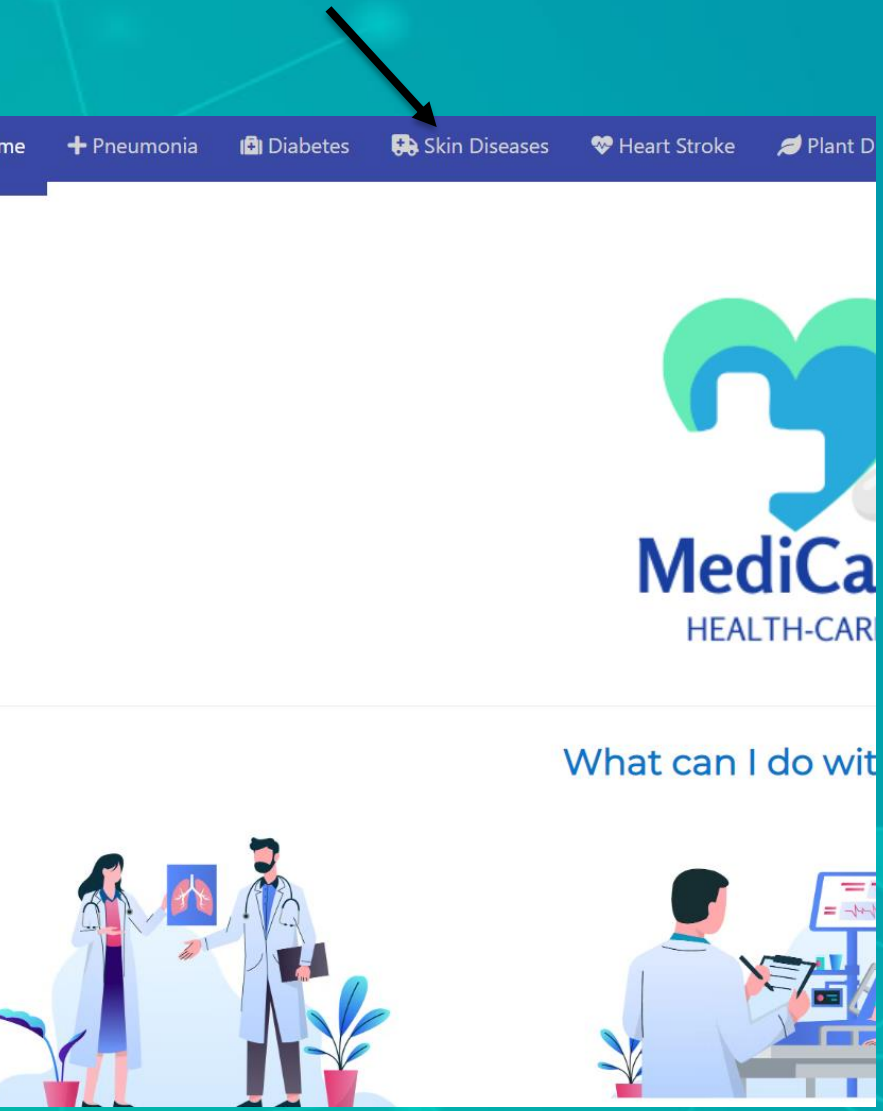
Pneumonia Identification

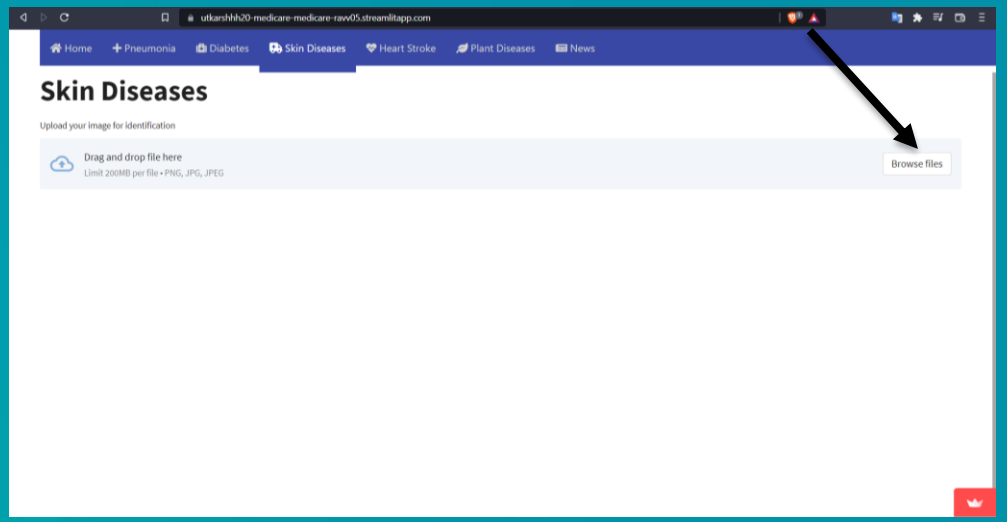




- Upon clicking on pneumonia in nav bar and then clicking browse files, the user is requested to enter a JPG, JPEG, or PNG file.
- The model will predict in terms of normal or pneumonia regardless of the input and isn't 100% accurate and is subjected to errors.

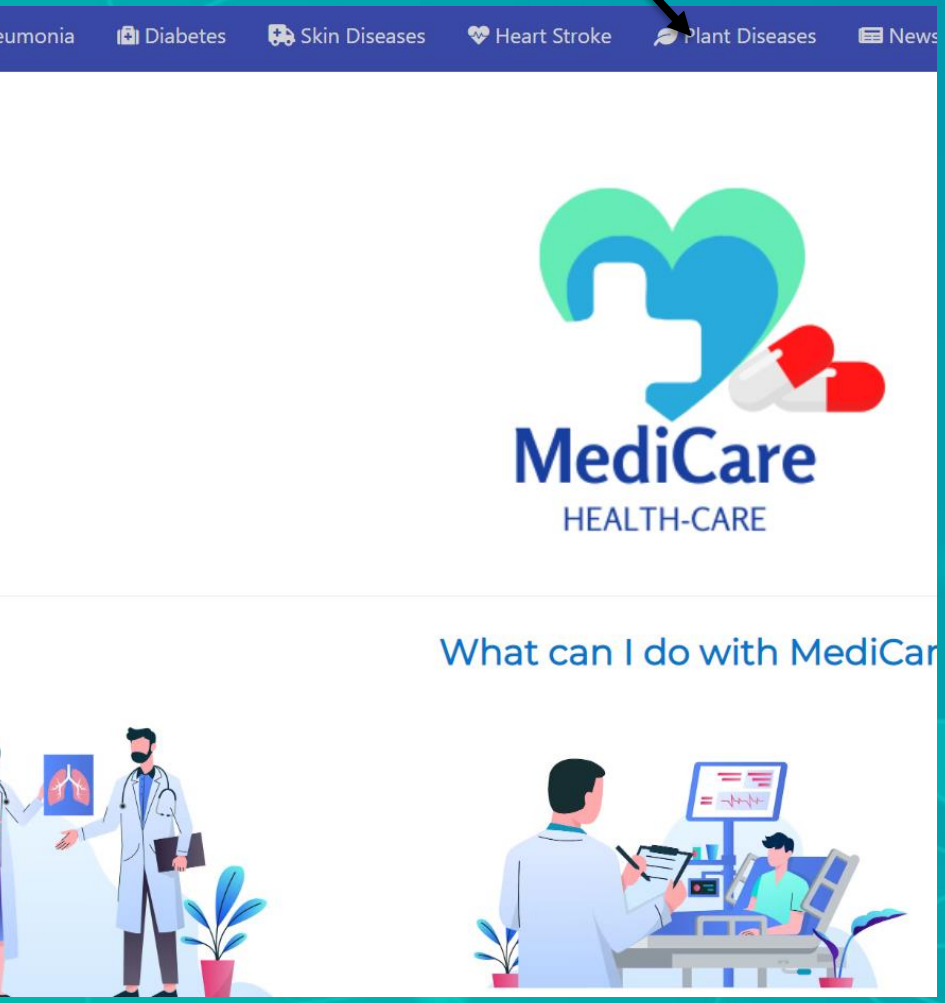
Skin Disease Identification

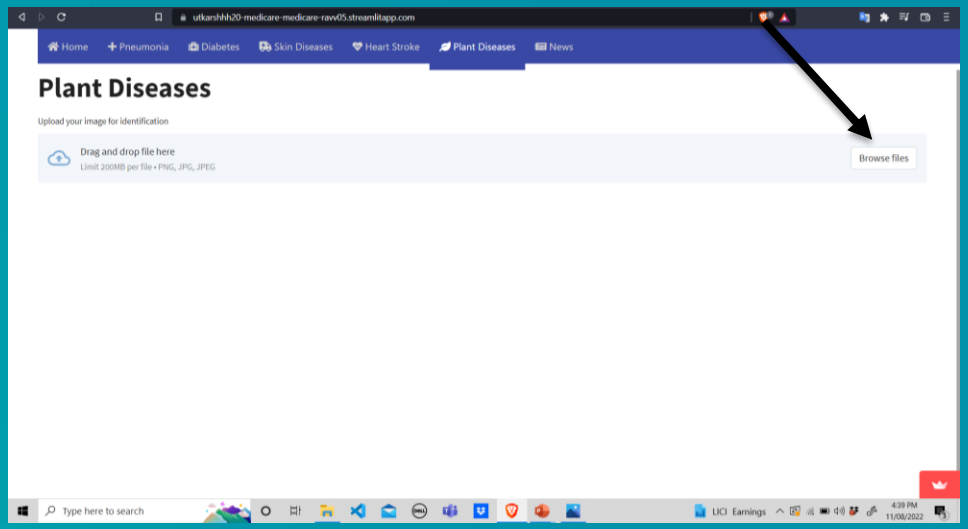




- Upon clicking on Skin Diseases in nav bar and then clicking browse files, the user is requested to enter a JPG, JPEG, or PNG file.
- The model will predict in terms of various skin diseases it trained with and therefore any other disease will also be clubbed under it. Also no normal skin images in dataset. Regardless of the input and isn't 100% accurate and is subjected to errors.

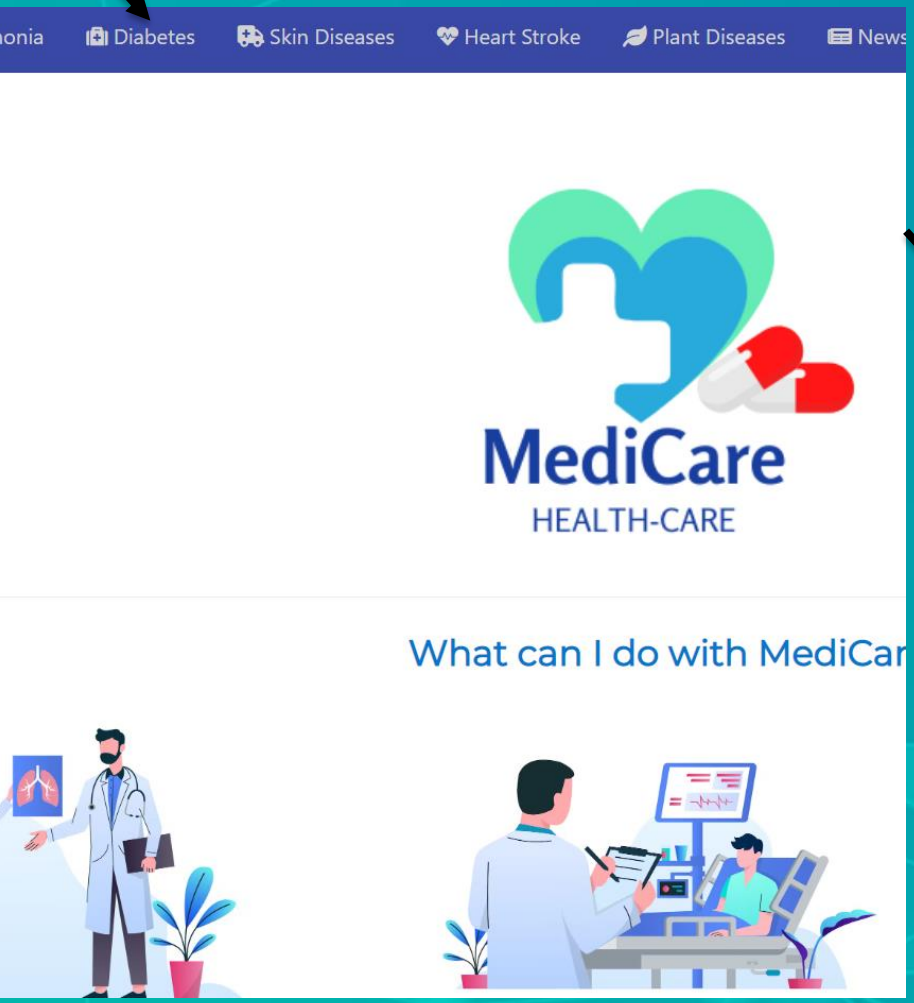
Plant Disease Identification

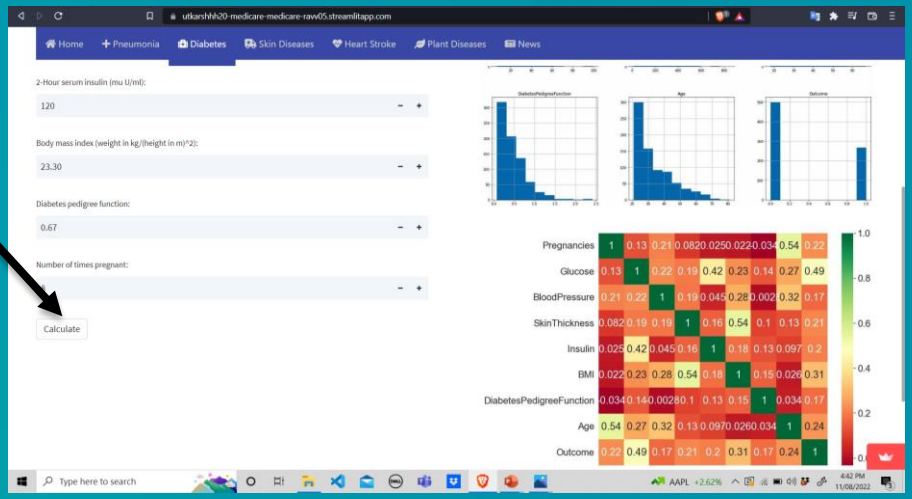




- Upon clicking on Plant Diseases in nav bar and then clicking browse files, the user is requested to enter a JPG, JPEG, or PNG file.
- The model will predict in terms of various Plant diseases it trained with and therefore any other disease will also be clubbed under it. Also limited to classes identified in dataset. Regardless of the input and isn't 100% accurate and is subjected to errors.

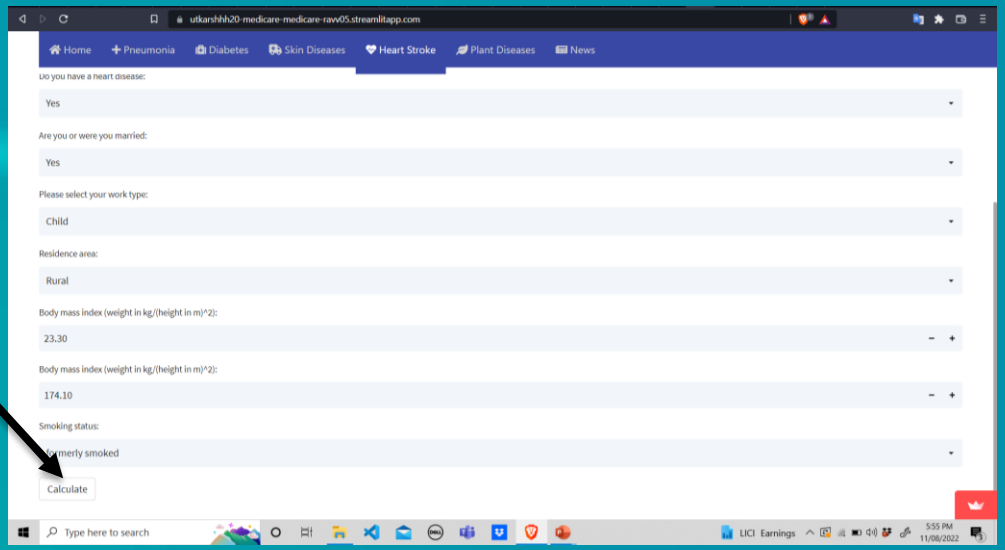
Diabetes Identification





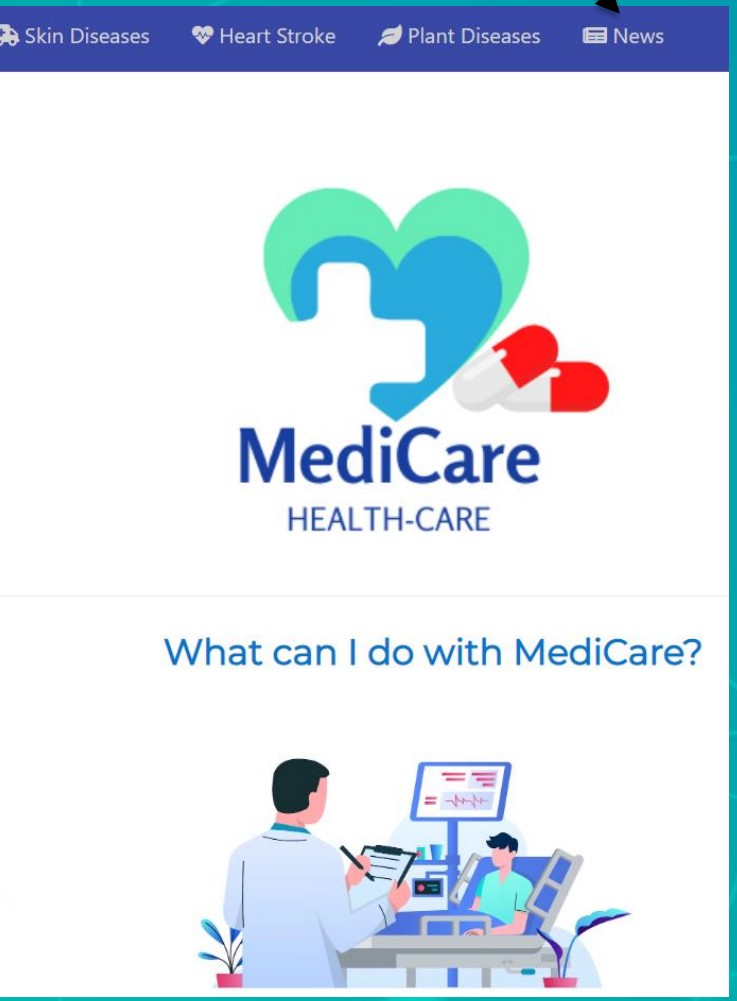
- Upon clicking on Diabetes in nav bar and then filling in your personal data and clicking on calculate, output is given.
- The model will predict in terms of various Diabetes it trained with and therefore dataset limitations can occur. Some of the correlations might not be correct. Regardless of the input and isn't 100% accurate and is subjected to errors.

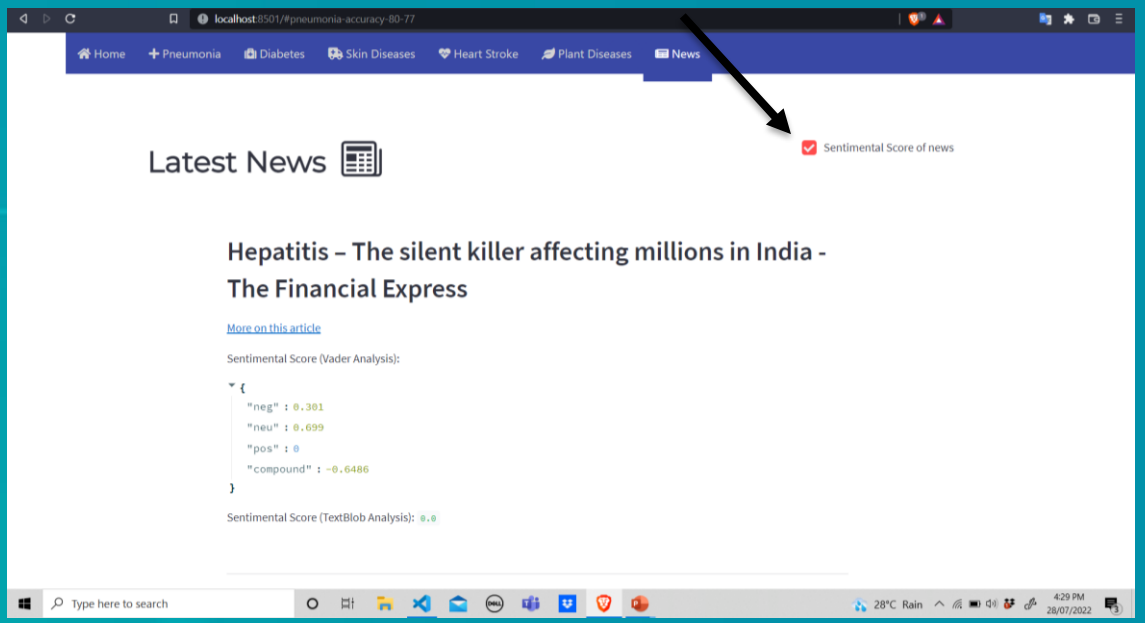
Stroke Identification



- Upon clicking on Heart Disease in nav bar and then filling in your personal data and clicking on calculate, output is given.
- The model will predict in terms of various heart disease it trained with and therefore dataset limitations can occur. Some of the correlations might not be correct. Regardless of the input and isn't 100% accurate and is subjected to errors.

News with sentimental analysis





- Upon clicking on News in nav bar, medical news based in India is loaded in.
- Upon clicking on sentimental analysis, a sentimental score is loaded in for each headline with a positive, negative, neutral, or overall score shown. However, based on it, it may be subjected to inaccurate results rarely.

Contact Person

- Please reach out to me, Utkarsh Gupta via email on utkarshhh20@gmail.com for any questions/ concerns/ suggestions on the App

Thank you!