

CODHER'23

...



PHARMY - YOUR ONE-STOP DESTINATION FOR ALL YOUR HEALTHCARE NEEDS.

TEAM14 :
PREETI SAI THANDAVAN
AKSHARA RAMPRASAD
PUJA SAI THANDAVAN

PROBLEM STATEMENT

PROBLEM

The healthcare industry generates a massive volume of data, including electronic medical records (EMRs), clinical notes, and health-related social media posts. This data can offer valuable insights into patient health and treatment outcomes. However, much of this data is unstructured, making it challenging to analyze manually.

- Doctors use different terminology which can lead to confusion and mistakes.
- Cost of the same treatment is different in different hospitals which becomes cost insufficient.
- Difficulties in finding medicines nearby.
- We don't know if hospitals and doctors are actually trustworthy.
- People in rural areas lacks sufficient understanding of medical conditions.
- Often struggle to find reliable information about the disease, available treatment options, and certified doctors and hospitals in their area.

OUR PRODUCT

Using a single keyword, such as the name of a disease, we can find out all the information we need about it, including the hospitals that treat it, the best doctors who are qualified to treat it, medicines that are readily available nearby, and articles that increase our understanding of the issue so that we can recognise the signs and effects and take steps to avoid it and stay healthy.



SOLUTION

OBJECTIVE

This project aims to construct an NLP pipeline utilizing SciSpacy to perform custom Named Entity Recognition on clinical texts from Electronic medical records , Health Records , Radiology Reports , Clinical Trials , Drug Reviews , Medical Research Gap and Social Media.

OUTCOME

The outcome will be extracting information regarding diseases, drugs, and drug doses and more from clinical text, which can then be utilized in our web app.

IMPACT

- Centralized platform that provides comprehensive information and resources for individuals seeking information about a specific disease or condition or anything related to medicine.
- We can find reliable information about the disease, available treatment options, and certified doctors and hospitals in their area enabling us to chose the best place for treatment.
- Easily accessible information can lead to faster diagnosis and treatment, resulting in better health outcomes.
- Cost Efficient
- People reviews can give us an idea about the hospital we are choosing.
- Helps in educating everyone about healthcare.

TECH STACK

FRONTEND

- React
- JavaScript or TypeScript

BACKEND

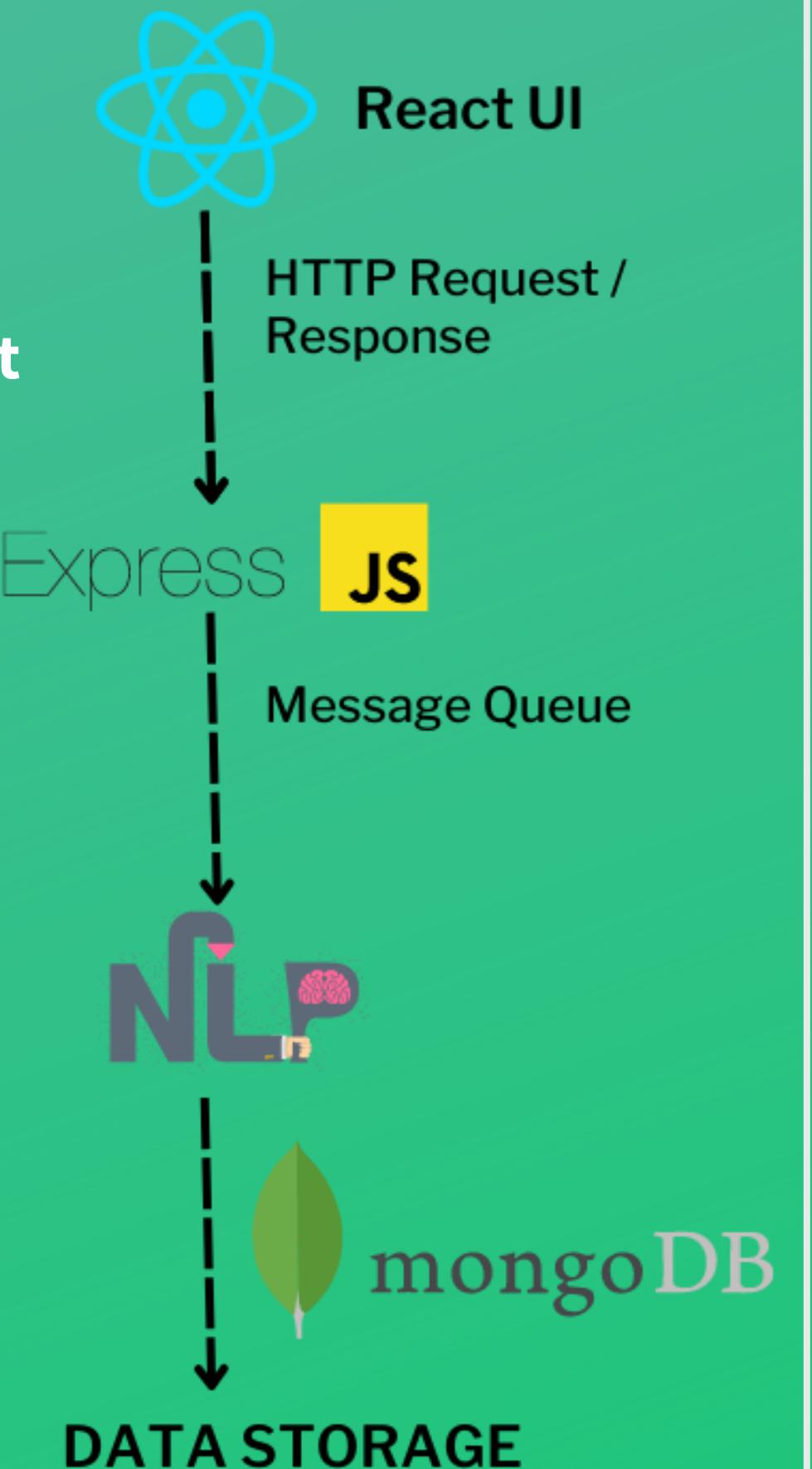
- Express
- Node.js

DATABASE

- MongoDB

ALGORITHM

- NLP



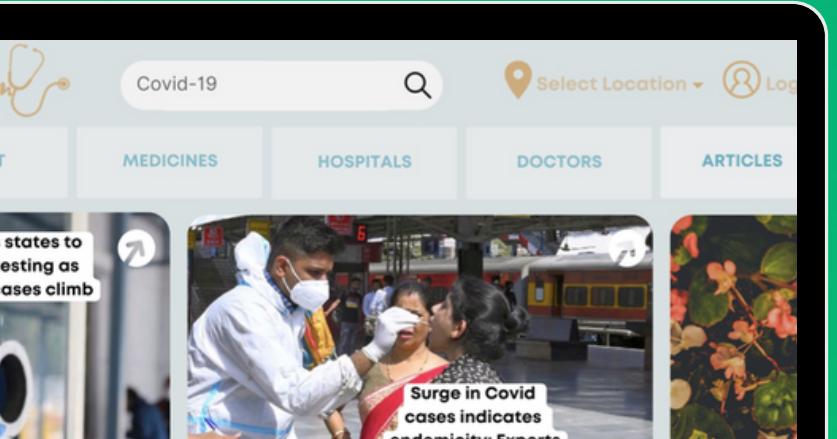
FUTURE SCOPE

- Fact-checker can help identify incorrect or misleading information, ensuring that you have the most accurate and up-to-date information available to you.
- We can use nlp to make in-app translations of the webpage in local languages for the benefit of people who are not fluent in English.
- Voice assistants can be utilised to improve customer service and provide hands-free access to healthcare information.
- Collecting user feedback is important for identifying areas for improvement and ensuring that the website meets the needs of its users.

LIGHT MODE

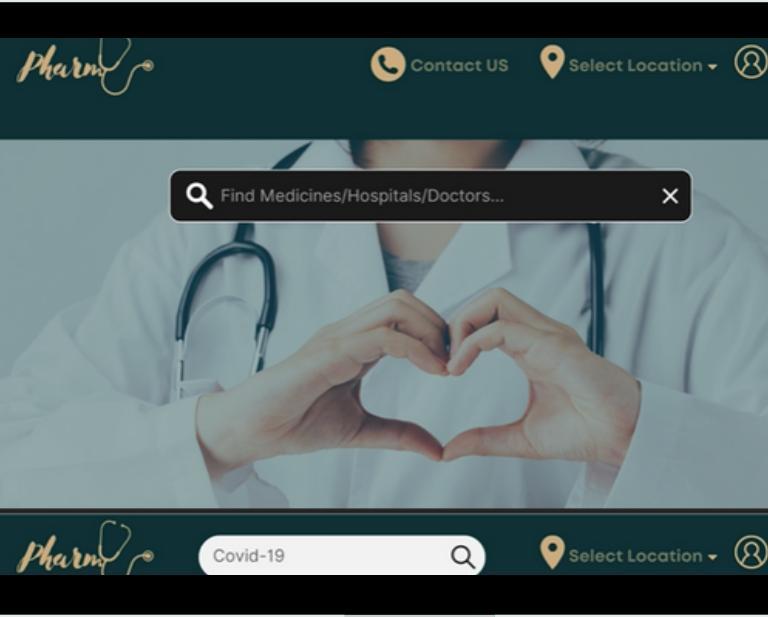
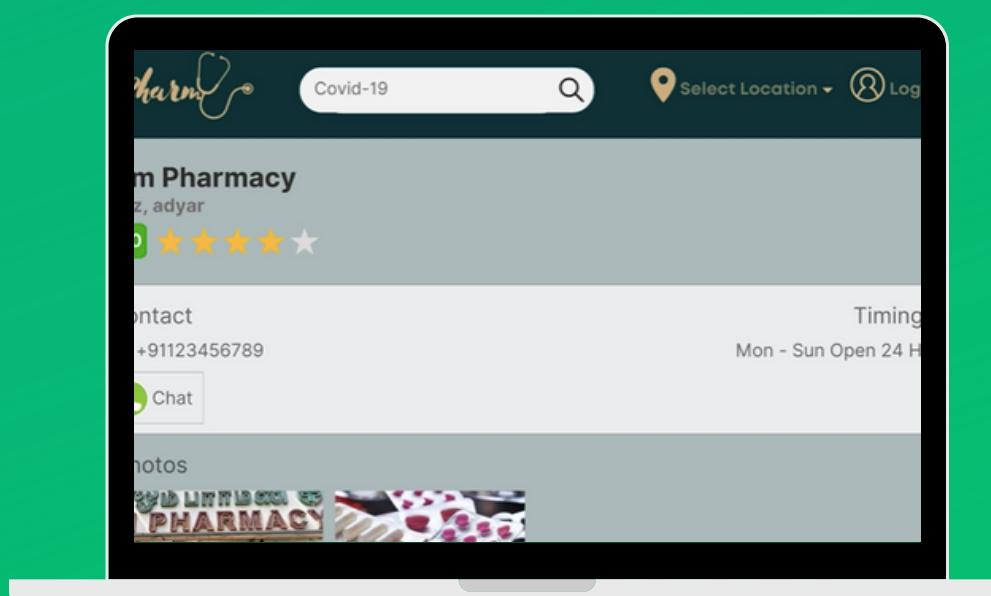
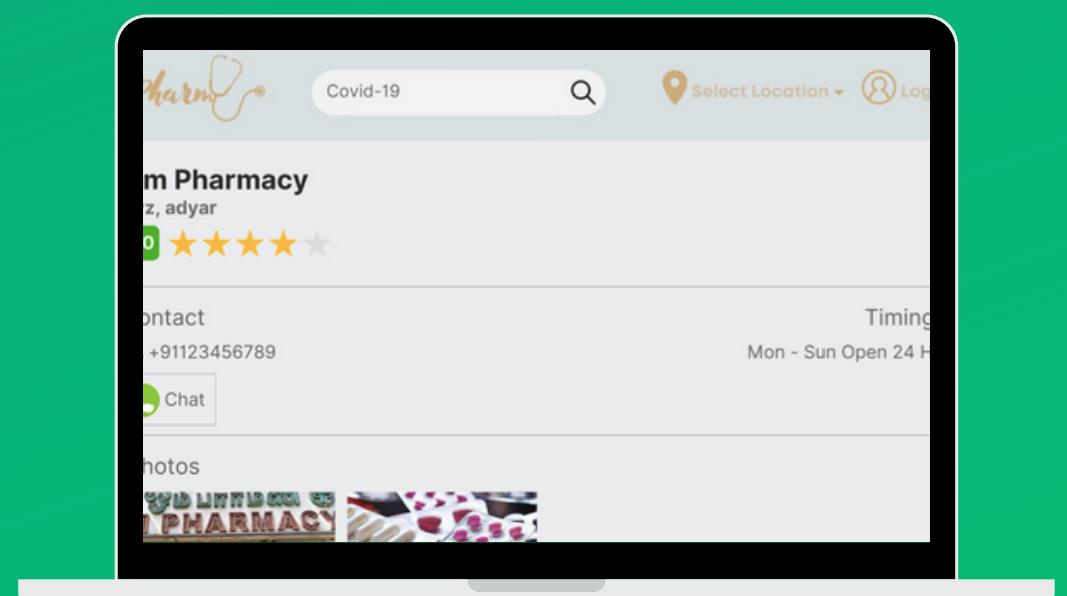
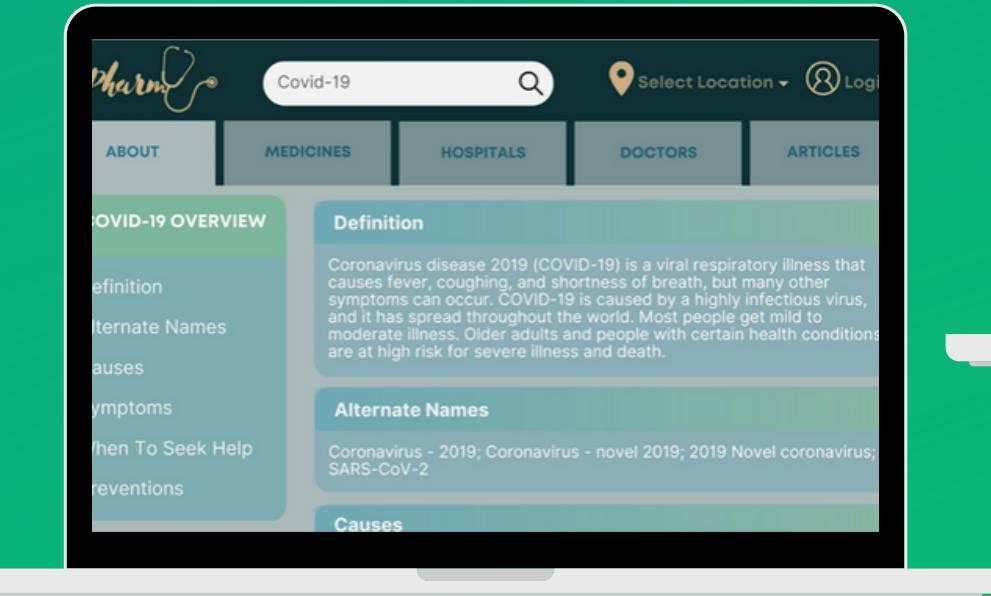
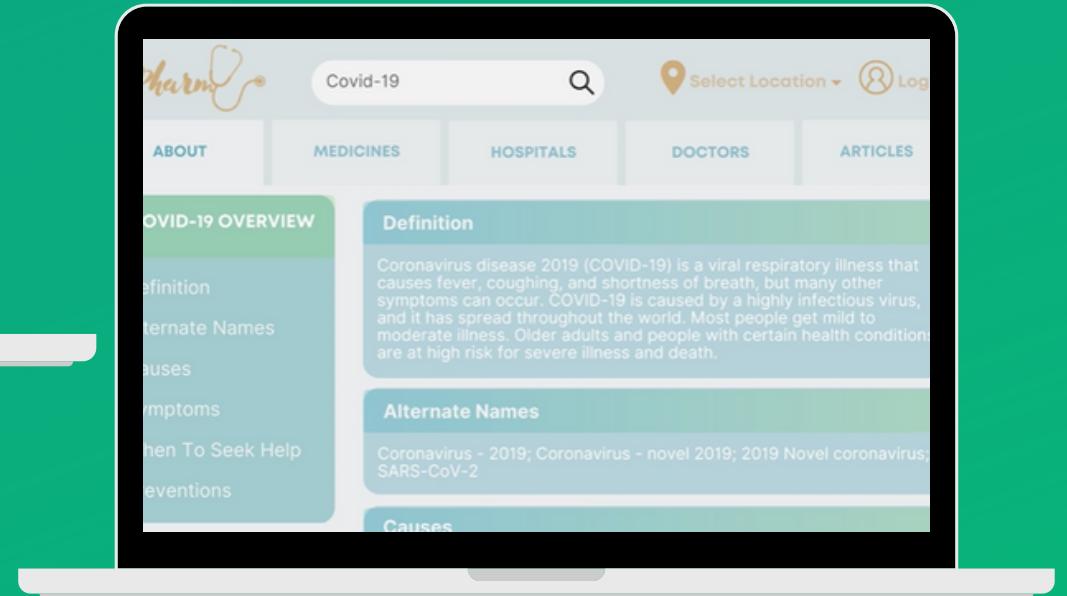


Cost	Location	Rating
rs/100gm	xyz, adyar	2.5
100gm	yyy, Thiruvanmiy...	4.9
rs/100gm	qryt, Velachery	1.3
rs/100gm	lala, adyar	1.3

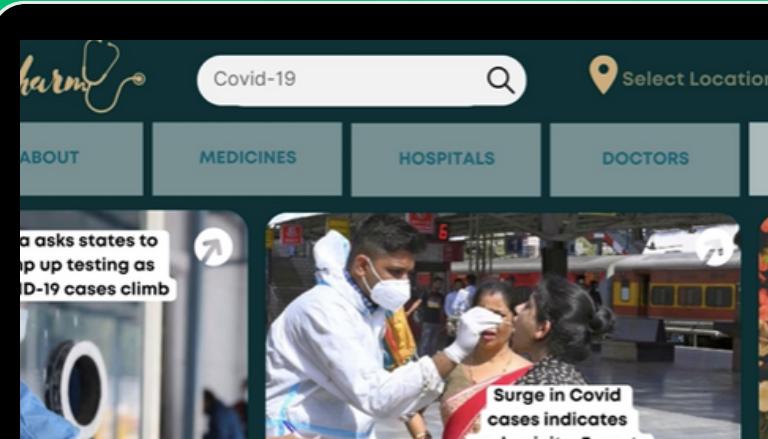


UI

DARK MODE



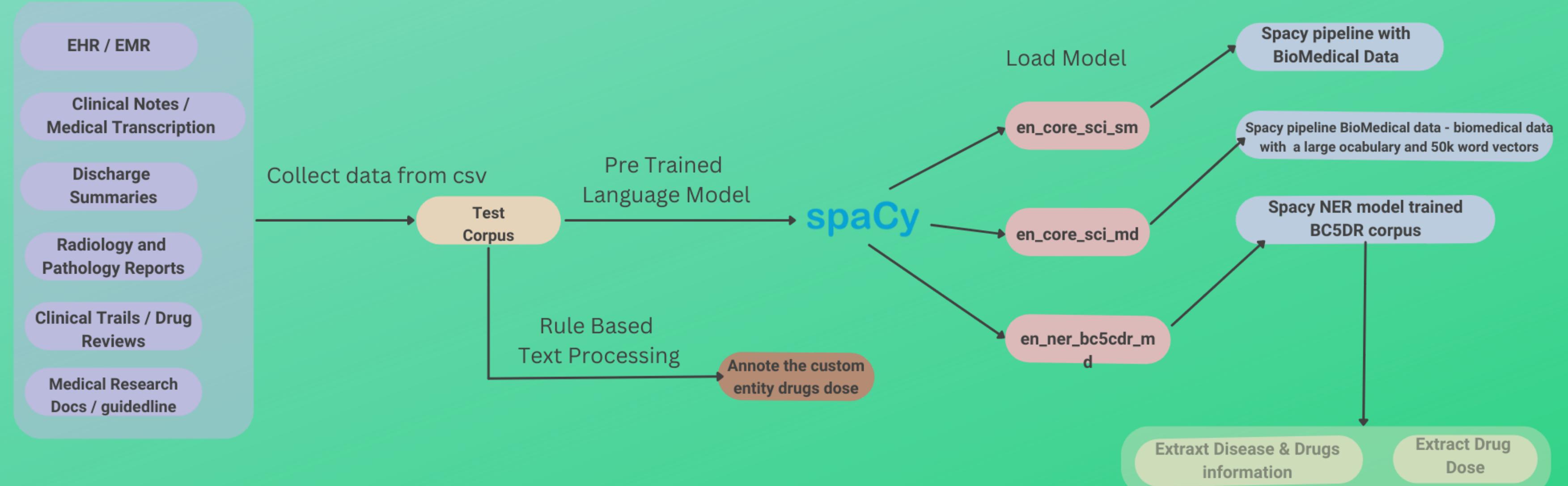
Pharmacy/Hospital	Cost	Location
Om Pharmacy	4,800rs/100gm	xyz, adyar
bla Pharmacy	510rs/100gm	yyy, Thiruvan...
Vit Pharmacy	3.000rs/100gm	qryt, Velachery
Lala Pharmacy	4,300rs/100gm	lala, adyar



PRESS THIS TO VIEW UI

ARCHITECTURE DIAGRAM

SOLUTION DESIGN



NLP PIPELINE

