

PROJECT REPORT – CANCER DETECTION IN WEB APPs

1) Web-App using CSS, HTML and JS:

- Here we will use a web-page or web app where first we need to create 2 login sign-up pages one for Doctor and one for patient.
- In Doctor's page we will have 2 pages :
 - 1st page will give us the ML Model that is doctor have to just upload the patient X-Ray or CT scan (depending upon the attribute you will be using to train your ML model)
 - 2nd page will show the patient's name, address and history of treatment to Doctor just by searching name in the search bar.(This page will be connected to data base)
- In Patient's page :
 - This page will only have the patient medical history and a database where he or she can save their medical papers including X-Ray.(which is again connected to data base).

2) Training machine Learning Model:

- Here we need to train machine learning model that can predict different types of cancer
- We have Breast cancer detection and colon cancer once we have both the models we can further move to different types of cancer models (if possible)
- This machine learning model is deployed over Doctor's page (Dashboard) where there will be 3-4 buttons for each type of cancer and here doctor can upload the x-ray or CT scan which will then gives the output predicting the accuracy of cancer present inside the body of the patient.

3) Deployment of the ML model:

- Machine learning model will be created in Jupyter notebook so in order to deploy that model into the webpage and link that model to the doctor's dashboard we will be using Flask.
- Now how ?
 - i) We will learn to deploy this model using the below article : [Medium article\(How to deploy ML model using flask\)](#).

4) Making of Data-Base:

- phpMyAdmin will help us to manage the database
- We need to manage 3 databases :
 - i) Login/ Sign-up form for Doctors
 - ii) Login/Sign-up form for patient
 - iii) Data base to collect history of patient information(It will be connected to both patient and doctor's dashboard)