# Home.html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<meta http-equiv="X-UA-Compatible" content="ie=edge">

<title>HomePage</title>

<style>

body{

background-color:moccasin;

position: relative;

background-size: cover;

background-repeat: no-repeat;

height: 100%;

width: 100%;

}

h3{

text-align:center;

color:blue;

}

.main{

margin-top:100px;

}

p{

color:black;

text-indent:10px;

margin:10px;

font-size:20px;

}

.navbar{

margin: 0px;

padding:20px;

background-color:chocolate;

opacity:0.6;

color:black;

font-family:'Roboto',sans-serif;

font-style: italic;

border-radius:20px;

font-size:25px;

font-color:

}

a{

color:rgb(11, 3, 21);

float:right;

text-decoration:none;

font-style:normal;

padding-right:20px;

}

a:hover{

background-color:black;

color:white;

border-radius:15px;

font-size:30px;

padding-left:10px;

}

img{

width:450px;

height:400px;

padding:25px;

}

img:hover{

border-radius:100px;

border-color:grey;

}

#im{

width:1450px;

height:700px;

padding:25px;

}

</style>

</head>

<body>

<div class="navbar">

<a href="/logout" >Logout</a>

<a href="/upload" >Predict</a>

<a href="/home">Home</a>

<br>

</div>

<br>

<center><b class="pd"><font color="black" size="15" font-family="Comic Sans MS" >Detecting Parkinson Disease using ML</font></b></center>

<div>

<br>

<br>

<center>

<p align="justify"> Parkinson's disease is a progressive disorder that affects the nervous system and the parts of the body controlled by the nerves. Symptoms start slowly. The first symptom may be a barely noticeable tremor in just one hand. Tremors are common, but the disorder may also cause stiffness or slowing of movement.Parkinson's disease signs and symptoms can be different for everyone. Early signs may be mild and go unnoticed. Symptoms often begin on one side of the body and usually remain worse on that side, even after symptoms begin to affect the limbs on both sides.</p>

</center>

<span><img src="img1.jpg" title="diagnosis"></span>

<span><img src="img2.jpg" title="Symptoms"></span>

<span><img src="img3.jpg" title="Stages"></span>

<span><img src="img4.jpg" title="Effect"></span>

<span><img src="img5.jpg" title="Cause"></span>

<span><img src="img6.jpg" title="diagnosis"></span>

<span><img id="im" src="img7.jpg" title="Stage"></span>

<br><br><br><br><br>

</div>

</body>

</html>

<html>

<head>

<title>PARKINSON'S DISEASE </title>

<link rel = "stylesheet" href="style.css">

</head>

<body>

<div class="hero">

<div class="form-box">

<br><br>

&nbsp;ENTER USER ID AND PASSWORD:

<form id="login" class="input-group" action="/form\_login" method="post">

<input type="text" class="input-field" placeholder="User Id" name ="userid" required><br><br>

<input type="text" class="input-field" placeholder="Password" name="pwd" required><br><br>

<button type="submit" class="submit-btn" value="Login">Login</button>

</form>

<h6 class="err"></h6>

<form id="register" class="input-group" action="/form\_reg" method="post">

<input type="email" class="input-field" placeholder="Email Id"><br><br>

<input type="text" class="input-field" placeholder="User Id" name ="userid"

required><br><br>

<input type="text" class="input-field" placeholder="Password" name="pwd" required><br><br>

<button type="submit" id = "sub" class="submit-btn" >Register</button>

</form>

<h6 class="err"></h6>

</div>

</div>

<script>

var x = document.getElementById("login")

var y = document.getElementById("register")

var z = document.getElementById("btn")

function register(){

x.style.left = "-400px";

y.style.left = "50px";

z.style.left = "110px";

}

function login(){

x.style.left = "50px";

y.style.left = "450px";

z.style.left = "0px";

}

</script>

</body>

</html>

\*{

margin: 1;

padding: 0;

font-family: sans-serif;

}

.hero{

height: 100%;

width: 100%;

background-color: #c8e8ee;

background-position: center;

background-size: cover;

position: absolute;

}

.form-box{

height: 380px;

width: 360px;

position: relative;

margin: 6% auto;

background: #fff;

padding: 5px;

overflow: hidden;

}

.button-box{

width: 220px;

margin: 35px auto;

position: relative;

box-shadow: 0 0 20px 9px #5f97e51f;

border-radius: 40px;

}

.toggle-btn{

padding: 10px 30px;

cursor: pointer;

background: transparent;

border: 0;

outline: none;

position: relative;

}

#btn{

top: 0;

left: 0;

position: absolute;

width: 110px;

height: 100%;

background: linear-gradient(to right, #7369ca,#11b1c3);

border-radius: 30px;

transition: 0.5s;

button-color:blue;

}

.input-group{

top: 120px;

position: absolute;

width: 280px;

transition: .5s;

}

.input-field{

width: 100%;

padding: 10px 0;

margin: 5px 0;

border-left: 0;

border-top: 0;

border-right: 0;

border-bottom: 1px solid rgb(161, 183, 231);

outline: none;

background: transparent;

}

.submit-btn{

width: 85%;

padding: 10px 30px;

cursor: pointer;

display: block;

margin: auto;

background:#11b1c3;

border: 0;

outline: 2px;

border-radius: 30px;

}

.check-box{

margin: 30px 10px 30px 0;

}

span{

color: rgb(37, 50, 85);

font-size: 14px;

bottom: 68px;

position: absolute;

}

#login{

left: 50px;

}

#register{

left: 450px;

}

.err{

color:rgb(198, 156, 243);

margin: 265px 0 0 145px;

}

# Feature

# Prediction page:

The user will add the hand drawn image in the home page and press the predict button. Then the page will redirect to a new page and provide information whether the person is affected by the disease or not

{% extends "base.html" %} {% block content %}

<div>

<form id="upload-file" method="post" enctype="multipart/form-data">

<center>

<label for="imageUpload" class="upload-label">

Choose...

</label>

<input type="file" name="file" id="imageUpload" accept=".png, .jpg, .jpeg">

</center>

</form>

<center> <div class="image-section" style="display:none;">

<div class="img-preview">

<div id="imagePreview">

</div></center>

</div>

<center>

<div>

<button type="button" class="btn btn-primary btn-lg " id="btn-predict">Predict!</button>

</div>

</center>

</div>

<div class="loader" style="display:none;"></div>

<h3 id="result">

<span> </span>

</h3>

</div>

{% endblock %}

from flask import Flask,request,render\_template

import pickle

app = Flask(\_\_name\_\_)

@app.route('/')

def hello\_world():

return render\_template("index.html")

class my\_dictionary(dict):

def \_\_init\_\_(self):

self = dict()

def add(self, key, value):

self[key] = value

database=my\_dictionary()

@app.route('/form\_reg',methods=['POST','GET'])

def reg():

name2=request.form['userid']

pwd1=request.form['pwd']

if name2 in database:

return render\_template('index.html',info='UserName Already Taken!!')

else:

database.add(name2,pwd1)

return render\_template("index.html")

@app.route('/form\_login',methods=['POST','GET'])

def login():

name1=request.form['userid']

pwd=request.form['pwd']

if name1 not in database:

return render\_template('index.html',info='Invalid User!!')

else:

if database[name1]!=pwd:

return render\_template('index.html',info='Invalid Password!!')

else:

return render\_template('home.html',name=name1)

if \_\_name\_\_ == '\_\_main\_\_':

app.run()

$(document).ready(function() {

// Init

$('.image-section').hide();

$('.loader').hide();

$('#result').hide();

// Upload Preview

function readURL(input) {

if (input.files && input.files[0]) {

var reader = new FileReader();

reader.onload = function(e) {

$('#imagePreview').css('background-image', 'url(' + e.target.result + ')');

$('#imagePreview').hide();

$('#imagePreview').fadeIn(650);

};

reader.readAsDataURL(input.files[0]);

}

}

$("#imageUpload").change(function() {

$('.image-section').show();

$('#btn-predict').show();

$('#result').text('');

$('#result').hide();

readURL(this);

});

// Predict

$('#btn-predict').click(function() {

var form\_data = new FormData($('#upload-file')[0]);

// Show loading animation

$(this).hide();

$('.loader').show();

// Make prediction by calling api /predict

$.ajax({

type: 'POST',

url: '/predict',

data: form\_data,

contentType: false,

cache: false,

processData: false,

async: true,

success: function(data) {

// Get and display the result

$('.loader').hide();

$('#result').fadeIn(600);

$('#result').text('Prediction : ' + data);

console.log('Success!');

},

});

});

});

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<meta http-equiv="X-UA-Compatible" content="ie=edge" />

<title>Predict</title>

<link

href="https://cdn.bootcss.com/bootstrap/4.0.0/css/bootstrap.min.css"

rel="stylesheet"

/>

<script src="https://cdn.bootcss.com/popper.js/1.12.9/umd/popper.min.js"></script>

<script src="https://cdn.bootcss.com/jquery/3.3.1/jquery.min.js"></script>

<script src="https://cdn.bootcss.com/bootstrap/4.0.0/js/bootstrap.min.js"></script>

<link

href="{{ url\_for('static', filename='css/main.css') }}"

rel="stylesheet"

/>

<style>

body {

background-image:url(bg.jpg);

background-position: center;

background-repeat: no-repeat;

background-size: cover;

height: 100%;

width: 100%;

}

h1 {

font-size: 40px;

text-align: center;

color: black;

font-style: italic;

font-weight: bolder;

}

h2 {

font-size: 35px;

text-align: center;

color: black;

font-style: italic;

font-weight: bolder;

}

h5 {

font-size: 25px;

text-align: center;

color: black;

font-weight: bolder;

}

a {

color: grey;

float: right;

text-decoration: none;

font-style: normal;

padding-right: 20px;

}

a:hover {

background-color: black;

color: white;

font-size: 30px;

padding-left: 10px;

border-radius: 5px;

}

ul {

align-items: center;

display: flex;

list-style-type: none;

width: 100%;

gap: 3rem;

justify-content: center;

font-size: 2rem;

position: fixed;

top: 0;

margin: 0;

padding: 1rem;

background-color: white;

}

li {

cursor: pointer;

}

li a {

text-decoration: none;

color: inherit;

}

li.active {

font-weight: bold;

color: rgb(34, 64, 110);

}

</style>

</head>

<body>

<nav>

<ul>

<li class="active"><a href="/home">Home</a></li>

<li class="active"><a href="/upload">Predict-Results</a></li>

</ul>

</nav>

<br />

<h1><b>Prevention is better than cure!</b></h1>

<br />

<h2>

<center>

Diagnosis is not the end, but the beginning of practice.

</center>

</h2>

<br />

<h2><center>Detect the disease and take measures wisely</center></h2>

<br />

<h5>

NOTE: Upload an spiral or wave page drawn by the patient/user in a white

sheet

</h5>

<div class="container">

<center>

<div id="content" style="margin-top: 2em">

</div>

</center>

</div>

</body>

<footer>

<script

src="{{ url\_for('static', filename='js/main.js') }}"

type="text/javascript"

></script>

</footer>

</html>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<meta http-equiv="X-UA-Compatible" content="ie=edge" />

<title>HomePage</title>

<style>

body {

background-color: rgb(182, 233, 233);

background-size: cover;

background-position: relative;

background-repeat: no-repeat;

height: 100%;

width: 100%;

}

h3 {

text-align: center;

color: white;

}

.main {

margin-top: 100px;

}

p {

color: black;

text-indent: 10px;

margin: 10px;

font-size: 20px;

}

a {

color: grey;

float: right;

text-decoration: none;

font-style: normal;

padding-right: 20px;

}

a:hover {

background-color: black;

color: white;

font-size: 30px;

padding-left: 10px;

border-radius: 5px;

}

ul {

align-items: center;

display: flex;

list-style-type: none;

width: 100%;

gap: 3rem;

justify-content: center;

font-size: 2rem;

position: fixed;

top: 0;

margin: 0;

padding: 1rem;

background-color: white;

}

li {

cursor: pointer;

}

li a {

text-decoration: none;

color: inherit;

}

li.active {

font-weight: bold;

color: rgb(54, 102, 141);

}

img {

width: 450px;

height: 400px;

padding: 25px;

}

img:hover {

border-color: grey;

}

#im {

width: 1450px;

height: 700px;

padding: 25px;

}

</style>

</head>

<body>

<nav>

<ul>

<li class="active"><a href="/home">Home</a></li>

</ul>

</nav>

<br /><br /><br />

<h1>

<center>

<b class="pd"

><font color="black" size="15" font-family="Comic Sans MS"

>Detection of Parkinson's Disease using ML</font

></b

>

</center>

</h1>

<div>

<center>

<p style="text-align: justify">

Parkinson disease (PD) is a progressive neuro degenerative disorder

that impacts more than 6 million people around the world. Parkinson's

disease is non-communicable, early-stage detection of Parkinson's can

prevent further damages in humans suffering from it.

However,Nonetheless, non-specialist physicians still do not have a

definitive test for PD, similarly in the early stage of the diseased

person where the signs may be intermittent and badly characterized. It

resulted in a high rate of misdiagnosis (up to 25% among

non-specialists) and many years before treatment, patients can have

the disorder. A more accurate, unbiased means of early detection is

required, preferably one that individuals can use in their home

setting.However, it has been observed that PD's presence in a human is

related to its hand-writing as well as hand-drawn subjects. From that

perspective, several techniques have been proposed by researchers to

detect Parkinson's disease from hand-drawn images of suspected people.

But the previous methods have their constraints.

</p>

</center>

<h4>

<center>

<b class="pd"

><font color="black" size="12" font-family="Comic Sans MS"

>Causes and Symptoms of Parkinson's Disease</font

>

</b>

</center>

</h4>

<span>

<img

src="img1.jpg"

title="Disease"

/>

</span>

<span>

<img

src="img2.jpg"

title="Symptoms"

/></span>

<span

><img

src="img3.jpg"

title="Stages"

/></span>

<span

><img

src="img4.jpg"

title="Effect"

/></span>

<span

><img

src="img5.jpg"

title="Cause"

/></span>

<span

><img

src="img6.jpg"

title="diagnosis"

/></span>

<h3>

<center>

<font color="black" size="12" font-family="Comic Sans MS"

>Treatment for parkinson disease</font

>

</center>

</h3>

<span

><img

src="https://www.mdpi.com/biomolecules/biomolecules-11-00612/article\_deploy/html/images/biomolecules-11-00612-g001.png"

title="diagnosis"

/></span>

<span

><img

src="https://media.springernature.com/m685/springer-static/image/art%3A10.1038%2Fs41401-020-0365-y/MediaObjects/41401\_2020\_365\_Fig1\_HTML.png"

title="diagnosis"

/></span>

<span

><img

src="https://www.verywellhealth.com/thmb/BgjmOKb2W-7z0gqLZryKBd4FFHs=/1500x0/filters:no\_upscale():max\_bytes(150000):strip\_icc()/advanced-parkinsons-disease-5200544\_color\_text\_v1-3bc74418259340ceaf5f6d407daeff73.jpg"

title="diagnosis"

/></span>

<span

><img

id="im"

src="https://img.parkinsonsinfoclub.com/wp-content/uploads/back-conditions-neck-conditions-london-back-pain-clinic-scaled.jpeg"

title="Stage"

/></span>

<br /><br />

</div>

</body>

</html>