**Crop\_app.py**

import joblib

from flask import Flask, render\_template, request, redirect

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

@app.route('/')

def home():

return render\_template('Home\_1.html')

@app.route('/Predict')

def prediction():

return render\_template('Index.html')

@app.route('/form', methods=["POST"])

def brain():

Nitrogen=float(request.form['Nitrogen'])

Phosphorus=float(request.form['Phosphorus'])

Potassium=float(request.form['Potassium'])

Temperature=float(request.form['Temperature'])

Humidity=float(request.form['Humidity'])

Ph=float(request.form['ph'])

Rainfall=float(request.form['Rainfall'])

values=[Nitrogen,Phosphorus,Potassium,Temperature,Humidity,Ph,Rainfall]

if Ph>0 and Ph<=14 and Temperature<100 and Humidity>0:

joblib.load('crop\_app','r')

jls\_extract\_var = 'crop\_app'

model = joblib.load(open(jls\_extract\_var,'rb'))

arr = [values]

acc = model.predict(arr)

# print(acc)

return render\_template('prediction.html', prediction=str(acc))

else:

return "Sorry... Error in entered values in the form Please check the values and fill it again"

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

app.run(debug=True)

**Index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

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

<title>Shirsat Agrotech</title>

<link rel="stylesheet" href="{{url\_for('static',filename='style/first.css')}}">

</head>

<body>

<form action="form" method="post">

<label for="Nitrogen">Nirogen:</label>

<input type="text" id="Nirogen" name="Nitrogen" min="0" max="100" placeholder="Nitrogen" required>

<label for="Phosphorus">Phosphorus:</label>

<input type="text" id="Phosphorus" name="Phosphorus" min="0" max="100" placeholder="Phosphorus" required>

<label for="Potassium">Potassium:</label>

<input type="text" id="Potassium" name="Potassium" min="0" max="100" placeholder="Potassium" required>

<label for="Temperature">Temperature:</label>

<input type="text" id="Temperature" name="Temperature" min="0" max="100" placeholder="Temperature in Degree Celcius" required>

<label for="Humidity">Humidity:</label>

<input type="text" id="Humidity" name="Humidity" min="0" max="100" placeholder="Relative Humidity in Percentage" required>

<label for="ph">ph:</label>

<input type="text" id="ph" name="ph" min="0" max="14" placeholder="ph should be in between 0-14" required>

<label for="Rainfall">Rainfall:</label>

<input type="text" id="Rainfall" name="Rainfall" placeholder="Rainfall in MM" required min="0" max="10000">

<input type="submit" id="submit" name="submit" value="Predict Your Crop">

</form>

</body>

</html>

**Prediction.css**

body {

background-image: url('image.jpg');

background-size: cover;

height: 100vh;

display: flex;

align-items: center;

justify-content: center;

font-size: 36px;

color: white;

font-family: Arial, sans-serif;

text-shadow: 2px 2px #333;

}

input[type="submit"] {

display: block;

margin: 0 auto;

width: 100px;

padding: 10px;

border: none;

border-radius: 5px;

background-color: #4CAF50;

color: white;

cursor: pointer;

}

**Myhome.css**

body {

background-image: url(one.jpg);

background-size: cover;

background-repeat: no-repeat;

}

header {

background-color: #333;

color: white;

padding: 20px;

}

nav ul {

list-style: none;

margin: 0;

padding: 0;

display: flex;

justify-content: space-between;

}

nav li {

display: inline-block;

margin-right: 20px;

}

nav a {

color: white;

text-decoration: none;

}

main {

text-align: center;

padding: 50px;

}

h1 {

font-size: 36px;

margin-bottom: 20px;

}

p {

font-size: 16px;

color: rgb(218, 213, 213);

}

h3 {

font-size: 20px;

color: rgb(224, 221, 221);

}

h2 {

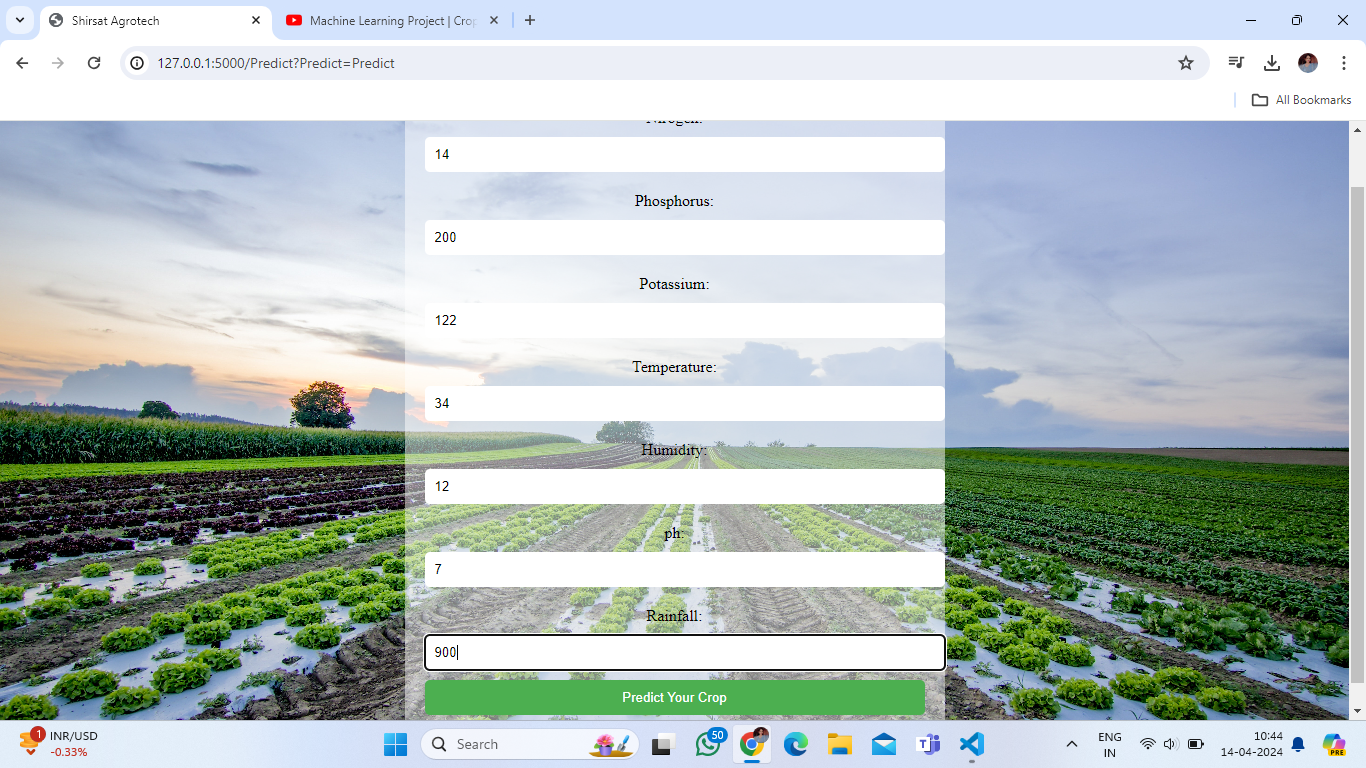
font-size: 25px;

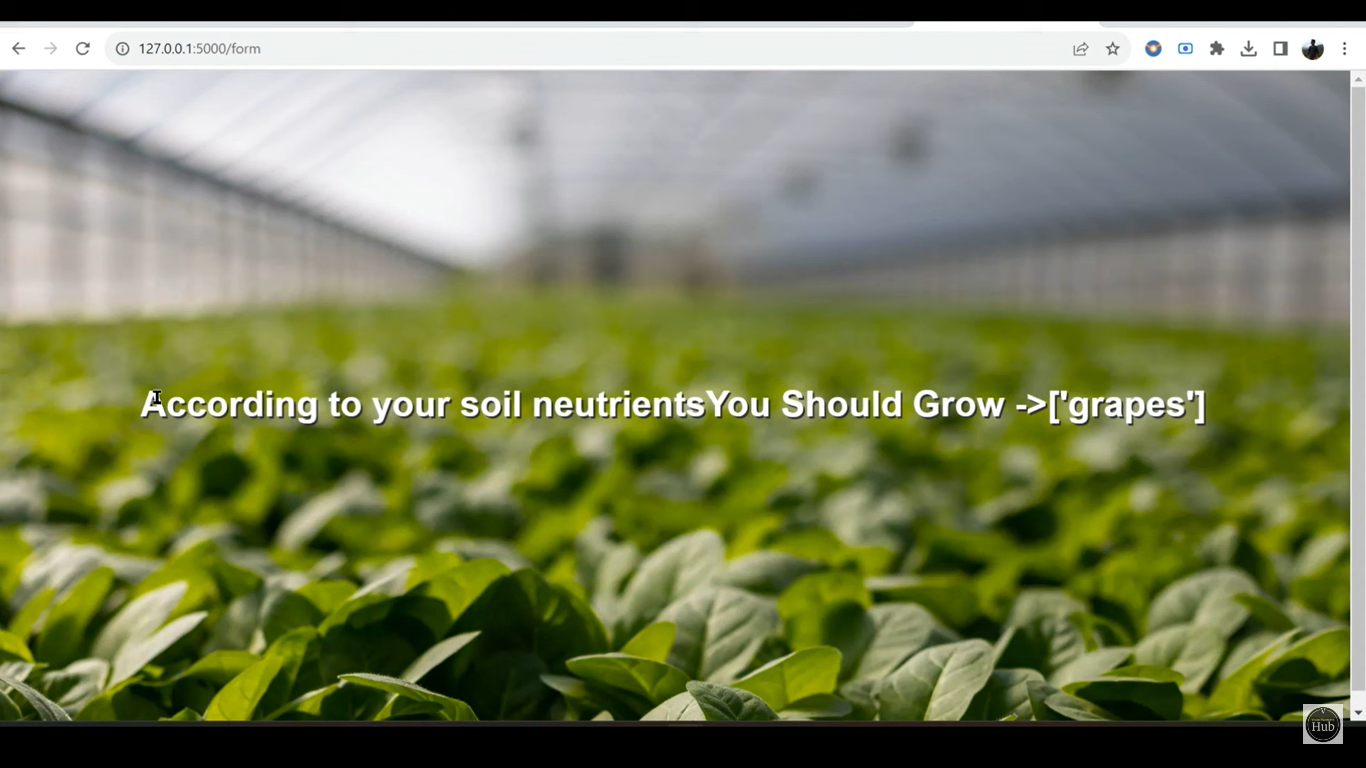
color: rgb(218, 216, 216);

}

**Output:**

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