WEBSITE Codes

PYTHON CODE

from flask import Flask, render\_template, request, redirect, url\_for, flash

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

app.secret\_key = "secret123"  # For flash messages

@app.route('/')

def home():

    return "<h1>🏡 Welcome to Crop Yield Prediction Home Page!</h1>"

@app.route('/login', methods=['GET', 'POST'])

def login():

    if request.method == 'POST':

        username = request.form['username']

        password = request.form['password']

        # Simple static validation

        if username == "admin" and password == "12345":

            flash("✅ Login successful!", "success")

            return redirect(url\_for('home'))

        else:

            flash("❌ Invalid username or password!", "error")

            return render\_template('login.html')

    return render\_template('login.html')

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

    app.run(debug=True)

HTML CODE

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8" />

  <meta name="viewport" content="width=device-width,initial-scale=1" />

  <title>Login | Crop Yield Prediction</title>

  <style>

    :root {

      --accent: #2b8aef;

      --card-bg: rgba(255, 255, 255, 0.9);

      --muted: #6b7280;

    }

    body {

      font-family: Inter, Segoe UI, Roboto, Arial, sans-serif;

      margin: 0;

      background: url('https://images.unsplash.com/photo-1593642532973-d31b6557fa68?crop=entropy&cs=tinysrgb&fit=crop&fm=jpg&q=80&w=1920&h=1080')

        no-repeat center center/cover;

      height: 100vh;

      display: flex;

      justify-content: center;

      align-items: center;

      position: relative;

    }

    .overlay {

      position: absolute;

      top: 0;

      left: 0;

      width: 100%;

      height: 100%;

      background: rgba(0, 0, 0, 0.25);

      z-index: 1;

    }

    .login-card {

      z-index: 2;

      background: var(--card-bg);

      padding: 40px 30px;

      border-radius: 14px;

      box-shadow: 0 6px 20px rgba(0, 0, 0, 0.25);

      text-align: center;

      width: 320px;

      backdrop-filter: blur(10px);

      position: relative;

    }

    h2 {

      color: #1f2937;

      margin-bottom: 10px;

    }

    p {

      color: var(--muted);

      font-size: 14px;

      margin-bottom: 25px;

    }

    input[type="text"], input[type="password"] {

      width: 100%;

      padding: 10px;

      border-radius: 8px;

      border: 1px solid #ccc;

      margin-bottom: 16px;

      font-size: 14px;

      outline: none;

      transition: 0.2s;

    }

    input:focus {

      border-color: var(--accent);

      box-shadow: 0 0 5px var(--accent);

    }

    button {

      width: 100%;

      padding: 10px;

      background: var(--accent);

      border: none;

      color: white;

      font-weight: 600;

      border-radius: 8px;

      cursor: pointer;

      transition: 0.3s;

    }

    button:hover {

      background: #1f6edb;

    }

    .footer {

      margin-top: 18px;

      font-size: 13px;

      color: var(--muted);

    }

    .footer a {

      color: var(--accent);

      text-decoration: none;

    }

    .footer a:hover {

      text-decoration: underline;

    }

    .home-btn {

      position: absolute;

      top: -50px;

      left: 50%;

      transform: translateX(-50%);

      background: white;

      border: 2px solid var(--accent);

      color: var(--accent);

      font-weight: 600;

      padding: 8px 18px;

      border-radius: 20px;

      cursor: pointer;

      transition: 0.3s;

    }

    .home-btn:hover {

      background: var(--accent);

      color: white;

    }

  </style>

</head>

<body>

  <div class="overlay"></div>

  <div class="login-card">

    <button class="home-btn" onclick="goHome()">🏠 Home</button>

    <h2>🌾 Crop Yield Prediction</h2>

    <p>Login to continue</p>

    <form id="loginForm">

      <input type="text" id="username" placeholder="Enter Username" required />

      <input type="password" id="password" placeholder="Enter Password" required />

      <button type="button" onclick="login()">Login</button>

    </form>

    <div class="footer">

      <p>Don’t have an account? <a href="#">Register here</a></p>

    </div>

  </div>

  <script>

    function login() {

      const username = document.getElementById('username').value.trim();

      const password = document.getElementById('password').value.trim();

      if (username === "" || password === "") {

        alert("Please fill all fields!");

        return;

      }

      if (username === "admin" && password === "12345") {

        alert("Login successful! Redirecting...");

        window.location.href = "crop\_yield.html";

      } else {

        alert("Invalid username or password!");

      }

    }

    function goHome() {

      window.location.href = "home.html";

    }

  </script>

</body>

</html>