

```

from flask import Flask, render_template, request

from tensorflow.keras.models import load_model

from tensorflow.keras.preprocessing import image

import numpy as np

import os

app = Flask(__name__)

model = load_model('fabric_model.h5')

class_names = ['Floral', 'Striped', 'Checked', 'Dotted', 'Plain']

@app.route('/')

def index():

    return render_template('index.html')

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

def predict():

    if 'file' not in request.files:

        return "No file uploaded", 400

    file = request.files['file']

    if file.filename == '':

        return "No selected file", 400

    if file:

        file_path = os.path.join('static/uploads', file.filename)

        file.save(file_path)

        img = image.load_img(file_path, target_size=(150, 150))

        img_array = image.img_to_array(img)

        img_array = np.expand_dims(img_array, axis=0) / 255.0

        prediction = model.predict(img_array)

        predicted_class = class_names[np.argmax(prediction[0])]

        confidence = round(100 * np.max(prediction[0]), 2)

        return render_template('result.html',

                               filename=file.filename,

                               prediction=predicted_class,

                               confidence=confidence)

@app.route('/display/<filename>')

def display_image(filename):

    return f''

if __name__ == '__main__':

    app.run(debug=True)

```