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import numpy as np

import os

from tensorflow.keras.models import load_model

from tensorflow.keras.preprocessing import image

from flask import Flask,render_template,request

from twilio.rest import Client


app=Flask(__name__)


model=load_model("Forest_fire.h5")

def send_message():

    account_sid = 'AC4c6802dceef3f53e86d8f323381b6e9f'

    auth_token = 'c07d05d7550d4902a879db6160b7f39c'

    client = Client(account_sid, auth_token)

    message = client.messages.create(

        messaging_service_sid='MG39f0273fc2caf682130af0fe591f15ca',

        body='forest_fire',

        to='+918925643320'

    )

    print(message.sid)


print("Fire Detected")

print("SMS Sent")


@app.route('/')

def index():

    return render_template("index.html")

```

```

text=""

@app.route('/predict',methods=['GET','POST'])
def upload():
    if request.method=='POST':
        f=request.files['image']
        basepath=os.path.dirname(__file__)
        filepath=os.path.join(basepath,'uploads',f.filename)
        f.save(filepath)
        img=image.load_img(filepath,target_size=(150,150))
        x=image.img_to_array(img)
        x = np.expand_dims(x,axis=0)
        pred = (model.predict(x))
        if(pred==0):
            send_message()

            text='FIRE DETECTED AND SMS TRIGGERED TO RESPECTIVE NUMBER'
        else:

            text='NO FIRE'
    return text

if __name__=='__main__':
    app.run(debug=False)

```