from flask import Flask, request, jsonify

import openai

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

# Set your OpenAI API key

openai.api\_key = "your\_openai\_api\_key"

@app.route('/generate\_email', methods=['POST'])

def generate\_email():

    data = request.json

    recipient\_name = data.get('recipient\_name', 'Customer')

    email\_purpose = data.get('email\_purpose', 'Follow-up')

    sender\_name = data.get('sender\_name', 'Your Company')

    prompt = f"""

    Write a professional and personalized email to {recipient\_name} for the purpose of {email\_purpose}. The email should be engaging, clear, and polite. Sign off as {sender\_name}.

    """

    response = openai.ChatCompletion.create(

        model="gpt-4",

        messages=[{"role": "system", "content": "You are an expert email writer."},

                  {"role": "user", "content": prompt}]

    )

    email\_text = response["choices"][0]["message"]["content"]

    return jsonify({"email": email\_text})

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

    app.run(debug=True)