**CODE: Dialogflow \_weather\_app**

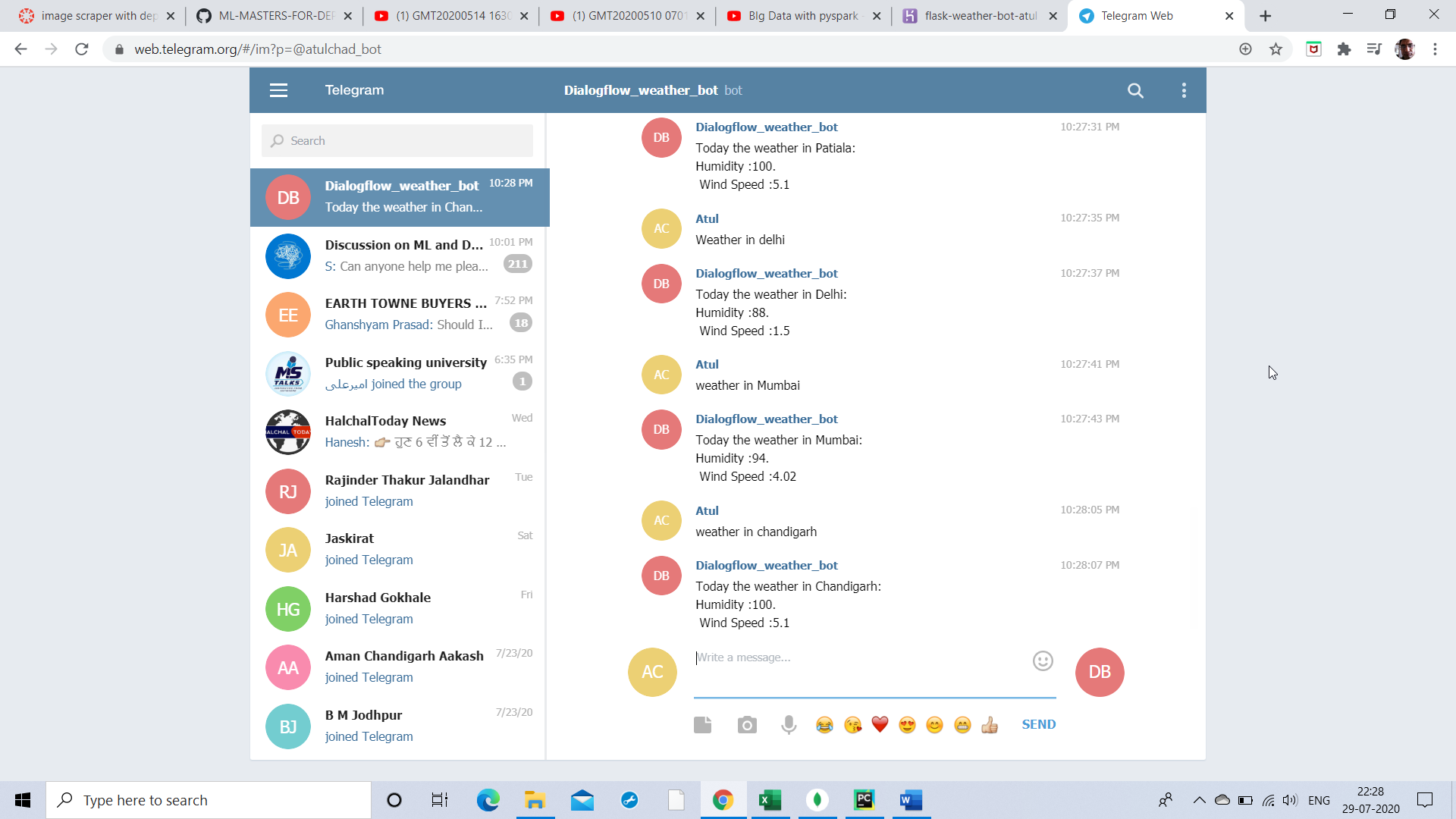
from flask import Flask, request, make\_response  
import os, json  
import pyowm  
import os  
from flask\_cors import CORS,cross\_origin  
  
app = Flask(\_\_name\_\_)  
#owmapikey=os.environ.get('203e0197035a689542412fd48daaa1cd') #or provide your key here  
owmapikey = '203e0197035a689542412fd48daaa1cd'  
owm = pyowm.OWM(owmapikey)  
  
  
# geting and sending response to dialogflow  
@app.route('/webhook', methods=['POST'])  
@cross\_origin()  
def webhook():  
 req = request.get\_json(silent=True, force=True)  
  
 print("Request:")  
 print(json.dumps(req))  
  
 res = processRequest(req)  
  
 res = json.dumps(res)  
 print(res)  
 r = make\_response(res)  
 r.headers['Content-Type'] = 'application/json'  
 return r  
  
  
# processing the request from dialogflow  
def processRequest(req):  
 result = req.get("queryResult")  
 parameters = result.get("parameters")  
 city = parameters.get("geo-city")  
 observation = owm.weather\_at\_place(city)  
 w = observation.get\_weather()  
 latlon\_res = observation.get\_location()  
 lat = str(latlon\_res.get\_lat())  
 lon = str(latlon\_res.get\_lon())  
  
 wind\_res = w.get\_wind()  
 wind\_speed = str(wind\_res.get('speed'))  
  
 humidity = str(w.get\_humidity())  
  
 celsius\_result = w.get\_temperature('celsius')  
 temp\_min\_celsius = str(celsius\_result.get('temp\_min'))  
 temp\_max\_celsius = str(celsius\_result.get('temp\_max'))  
  
 fahrenheit\_result = w.get\_temperature('fahrenheit')  
 temp\_min\_fahrenheit = str(fahrenheit\_result.get('temp\_min'))  
 temp\_max\_fahrenheit = str(fahrenheit\_result.get('temp\_max'))  
 speech = "Today the weather in " + city + ": \n" + "Humidity :" + humidity + ".\n Wind Speed :" + wind\_speed  
  
 return {  
 "fulfillmentText": speech,  
 "displayText": speech  
 }  
  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 port = int(os.getenv('PORT', 5000))  
 print("Starting app on port %d" % port)  
 app.run(debug=True, port=port)

**Heroku Deployment**

<https://flask-weather-bot-atul.herokuapp.com/>

https://git.heroku.com/flask-weather-bot-atul.git

Telegram Integration



**Heroku APP ON POSTMAN**

