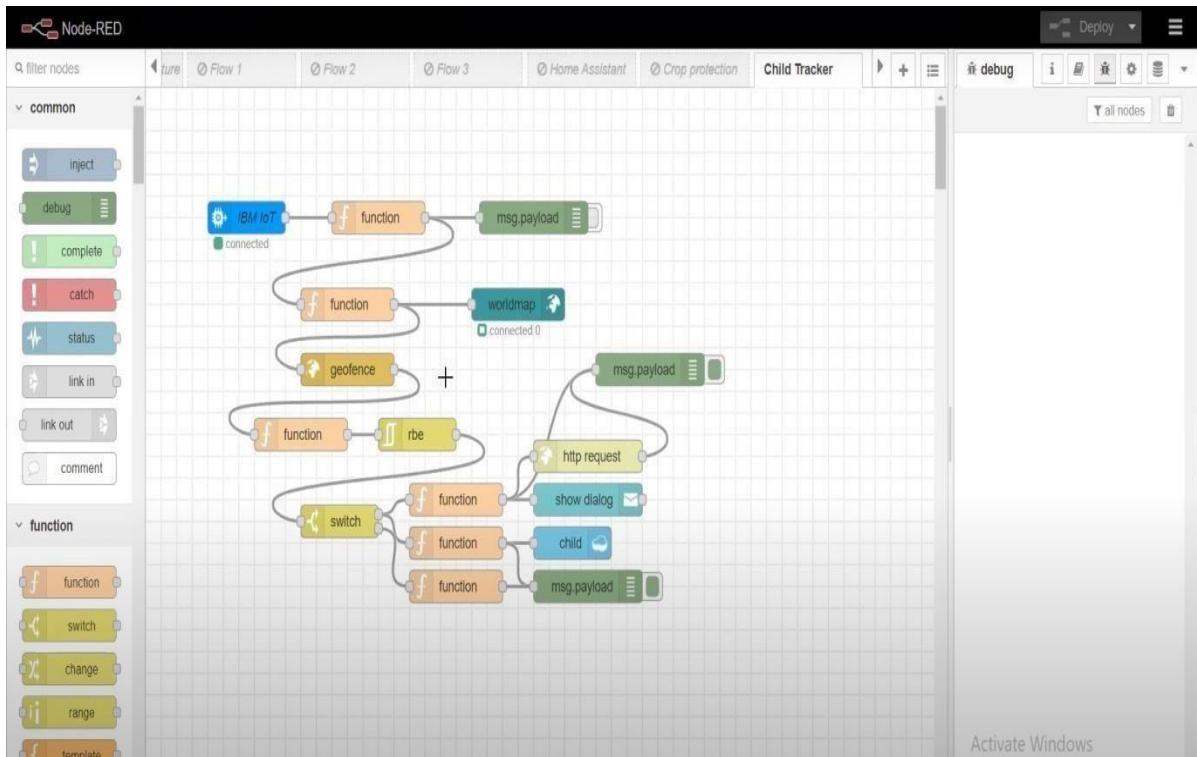


# Develop A Web Application Using Node-RED

Team ID	PNT2022TMID06213
Project Name	IOT Based Safety Gadget for Child Safety Monitoring & Notification

- Opened a Node-RED project

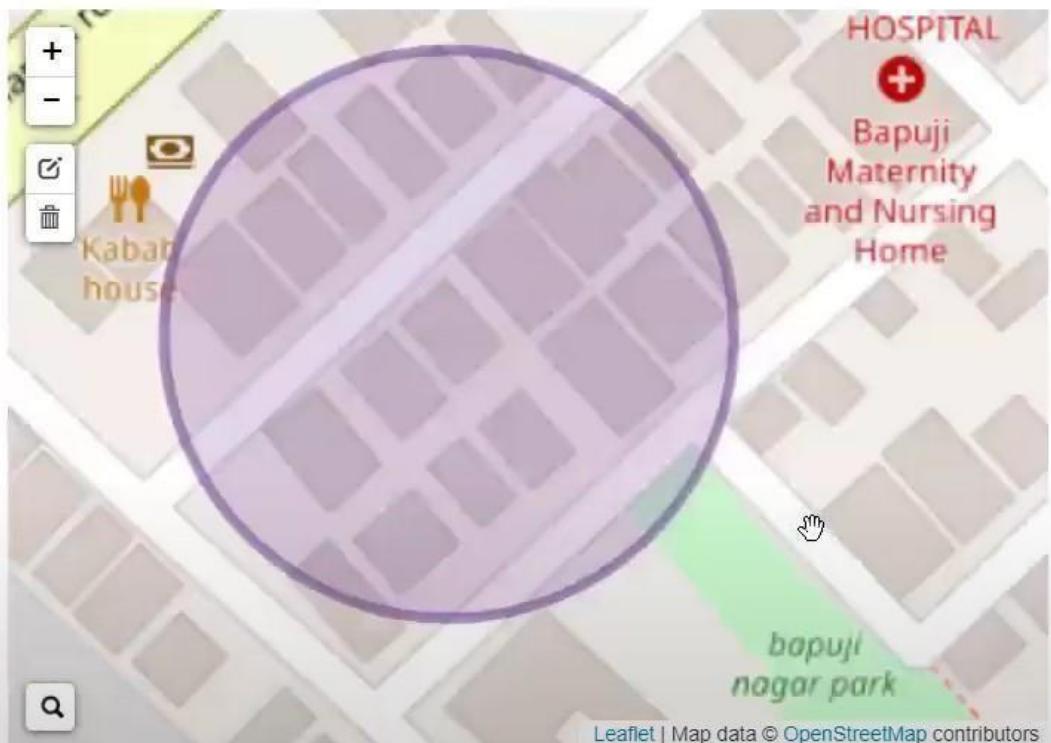


Created the Geo Fence

## Edit geofence node

DeleteCancelDone

### Properties



\_ Floor

ground

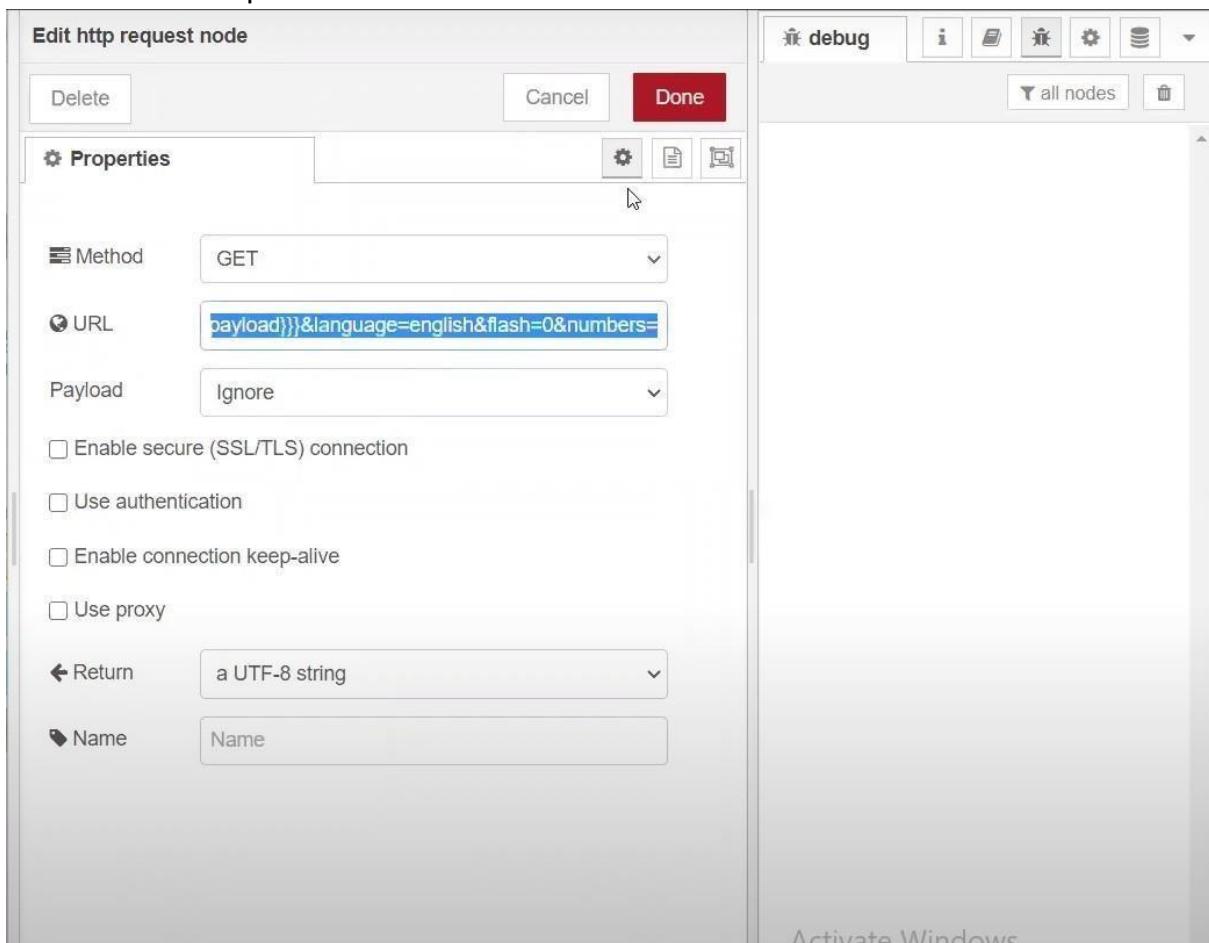
- Ceiling

infinity

➡ Action

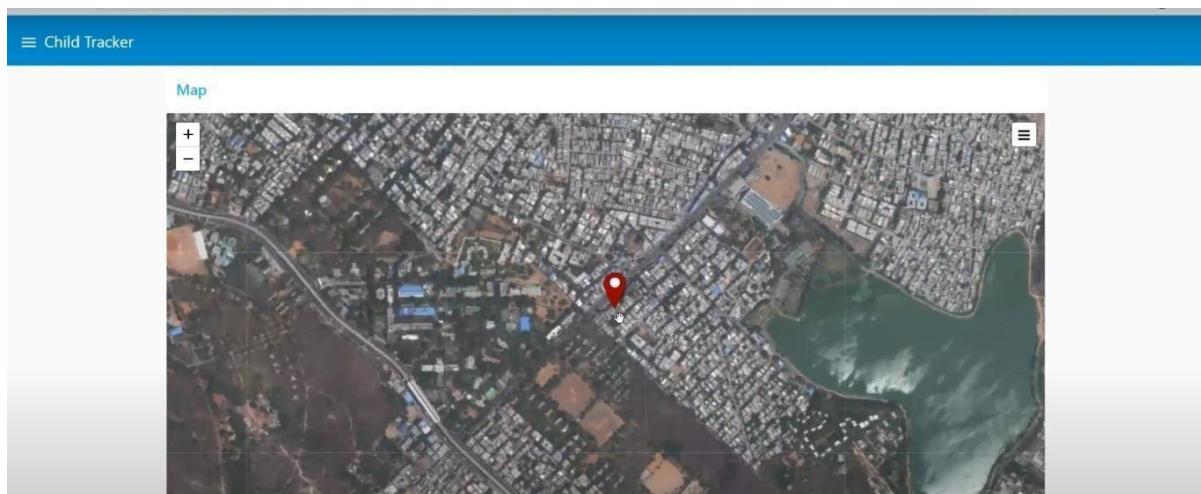
add "inarea" property

## Edit the HTTP Request URL



Activate Windows

- Located the child



Created the geo fence node

- Python script sending requests to IBM Cloud

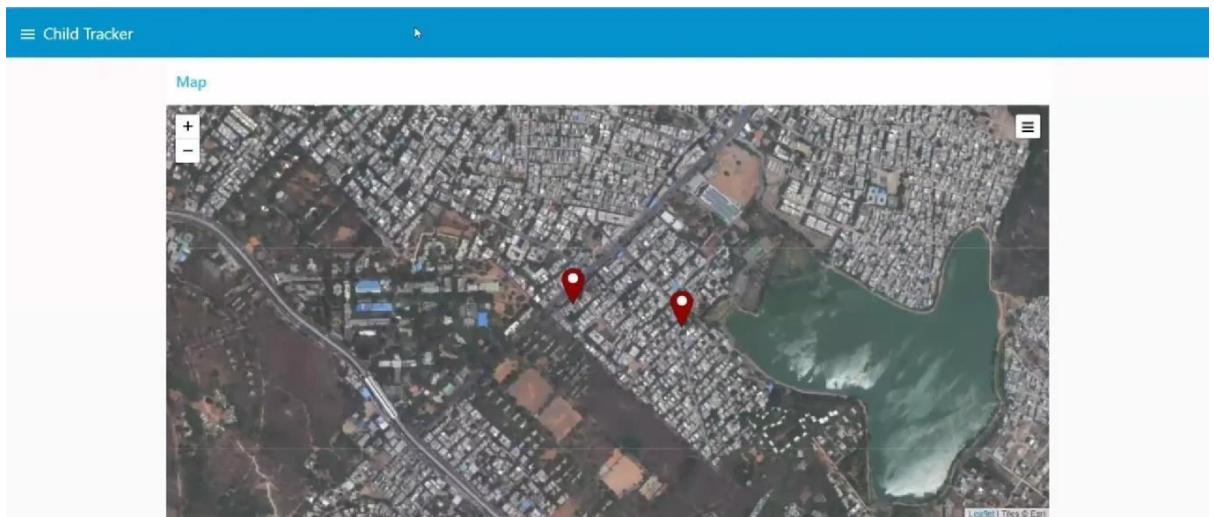
```

Editor - C:\Users\HP\Desktop\child.py
child.py

1 import json
2 import wiotp.sdk.device
3 import time
4
5 myConfig = {
6     "identity": {
7         "orgId": "hj5fmy",
8         "typeId": "NodeMCU",
9         "deviceId": "12345"
10    },
11    "auth": {
12        "token": "12345678"
13    }
14}
15 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
16 client.connect()
17
18 while True:
19     name= "Smartbridge"
20     #in area location
21
22     #latitude= 17.4225176
23     #longitude= 78.5458842
24
25     #out area location
26
27     latitude= 17.4219272
28     longitude= 78.5488783
29     myData={'name': name, 'lat':latitude,'lon':longitude}
30     client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
31     print("Data published to IBM IoT platfrom: ",myData)
32     time.sleep(5)
33
34 client.disconnect()
35
36

```

After running the script, the web UI shows “Person is not in the particular area”



**Result:** Successfully developed a web application using Node-RED