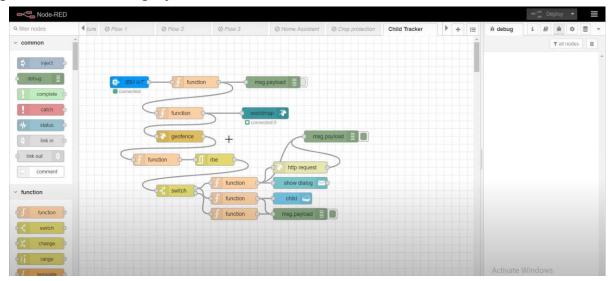
Develop the Web Application Using Node-RED

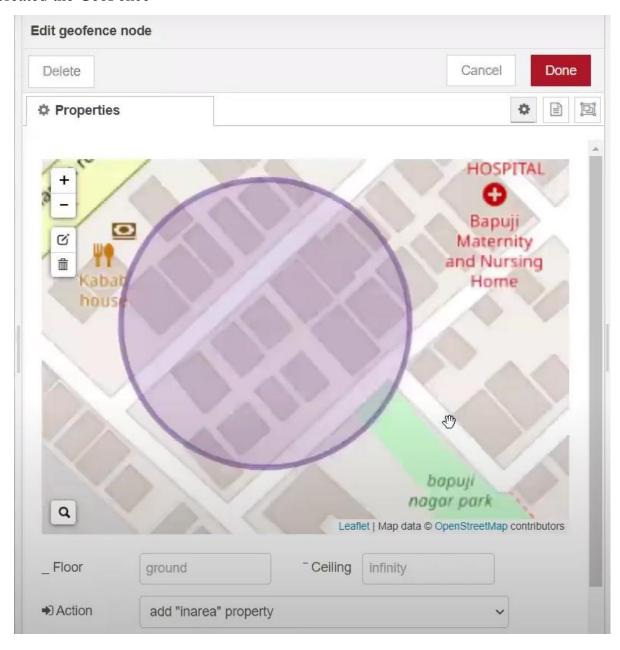
Opened a Node-RED project



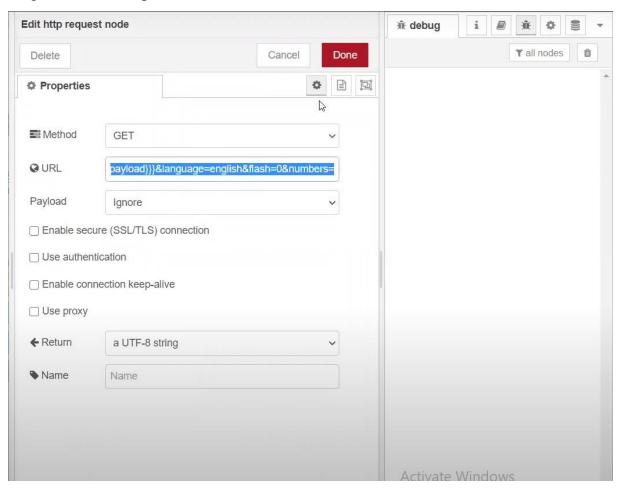
Added code to get child location in python

```
import json
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
    "orgId": "hj5fmy",
    "typeId": "NodeMCU",
    "deviceId": "12345"
    },
"auth": {
        "token": "12345678"
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
While True:
       name= "Smartbridge"
       #in area location
       latitude= 17.4225176
       longitude= 78.5458842
        #out area location
       #latitude= 17.4219272
        #longitude= 78.5488783
       time.sleep(5)
client.disconnect()
```

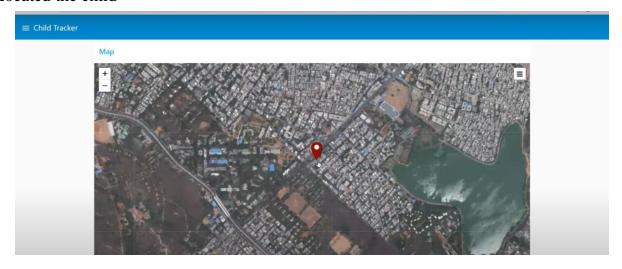
Created the GeoFence



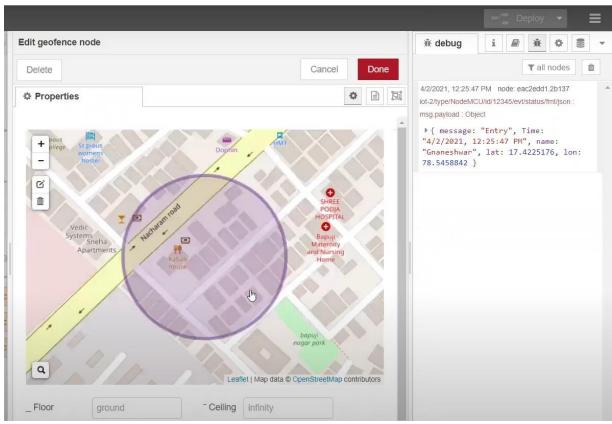
Editing the HTTP Request URL



Located the child



Created the geofence node



Python script sending requests to IBM Cloud

```
Editor - C:\Users\HP\Desktop\child.py
                                                                                                     ₽ × IPython console
child.py
                                                                                                      Console 2/A 
Data published to IBM IoT platfrom:
   1 import json
                                                                                                          Data published to IBM IoT platfrom:
   2 import wiotp.sdk.device
                                                                                                          Data published to IBM IoT platfrom:
   3 import time
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
   5 myConfig = {
                                                                                                          Data published to IBM IoT platfrom:
         "identity": {
    "orgId": "hj5fmy",
    "typeId": "NodeMCU",
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
              "deviceId": "12345"
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
          'auth": {
                                                                                                          Data published to IBM IoT platfrom:
               "token": "12345678"
                                                                                                          Data published to IBM IoT platfrom:
  13
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
  15 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
                                                                                                          Data published to IBM IoT platfrom:
  16 client.connect()
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
  18 while True:
19 name= "Smartbridge"
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
  20
         #in area location
                                                                                                          Data published to IBM IoT platfrom:
  21
                                                                                                          Data published to IBM IoT platfrom:
         #Latitude= 17.4225176
                                                                                                          Data published to IBM IoT platfrom:
  23
         #longitude= 78.5458842
                                                                                                          Data published to IBM IoT platfrom:
  24
                                                                                                          Data published to IBM IoT platfrom:
         #out area location
                                                                                                          Data published to IBM IoT platfrom:
  26
27
                                                                                                          Data published to IBM IoT platfrom:
         latitude= 17.4219272
                                                                                                          Data published to IBM IoT platfrom:
         longitude= 78.5488783
                                                                                                          Data published to IBM IoT platfrom:
         myData={'name': name, 'lat':latitude,'lon':longitude}
client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPub
print("Data published to IBM IoT platfrom: ",myData)
                                                                                                          Data published to IBM IoT platfrom:
  30
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
         time.sleep(5)
                                                                                                          Data published to IBM IoT platfrom:
Data published to IBM IoT platfrom:
  34 client.disconnect()
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
                                                                                                          Data published to IBM IoT platfrom:
```

After running the script, the web UI shows "Person is not in theparticular area"



Successfully developed the web application using Node-RED