

**TEAM ID: PNT2022TMID07147**

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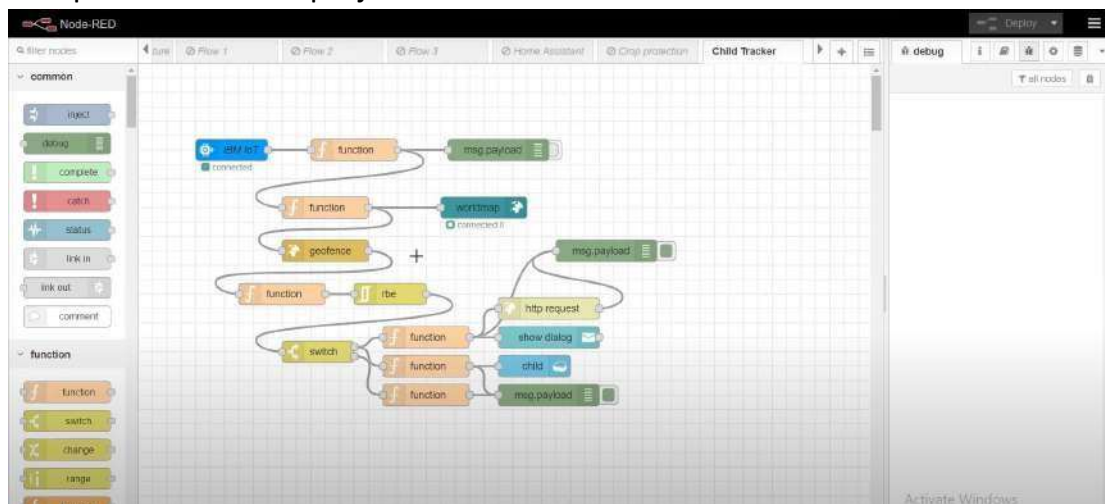
**SARAVANAGANESH S**

## **Develop The Web Application Using Node-RED**

1. To Develop the web application using Node-RED

Steps :

1. Open a Node-RED project



2. Add 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"
    }
}

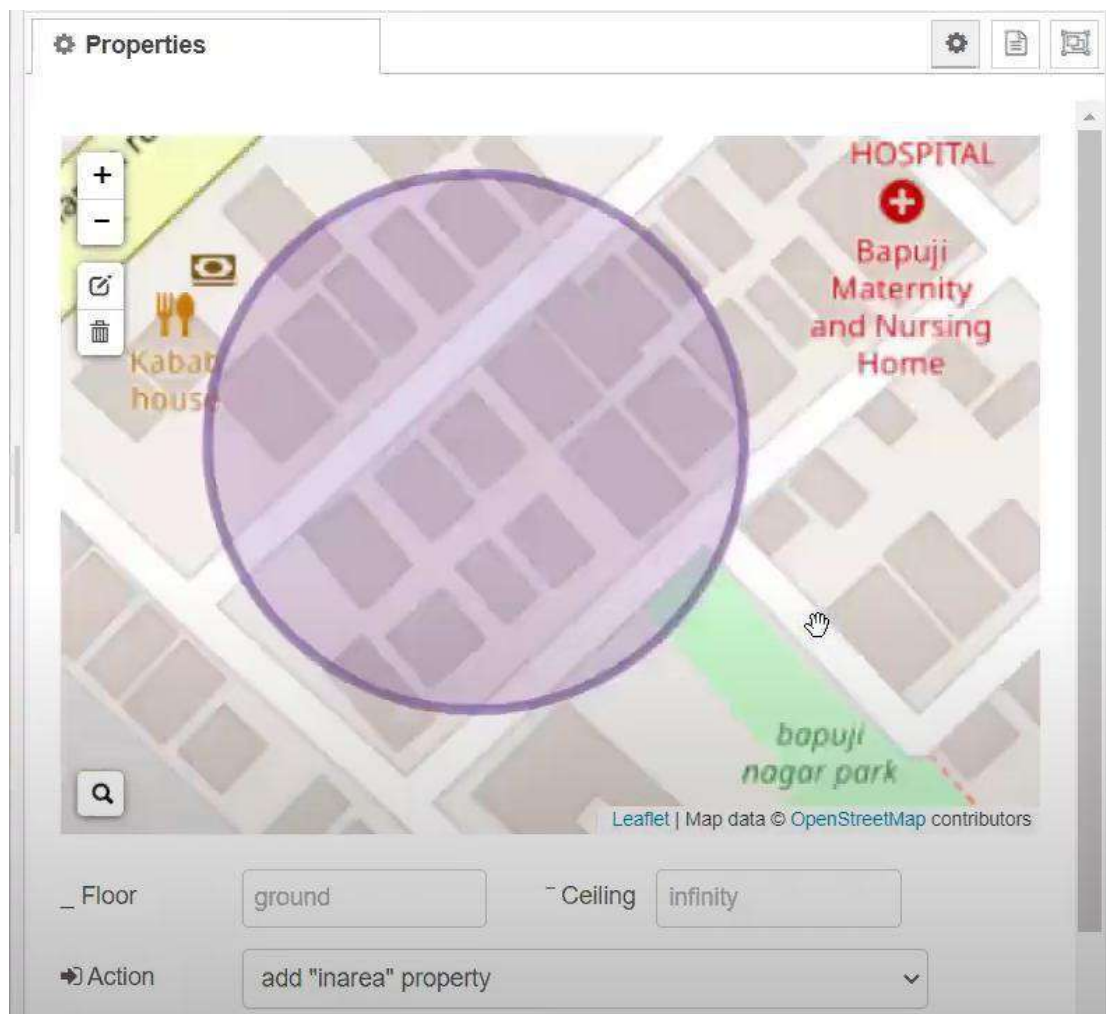
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    name= "Smartbridge"
    #in area location
    latitude= 17.4225176
    longitude= 78.5458842

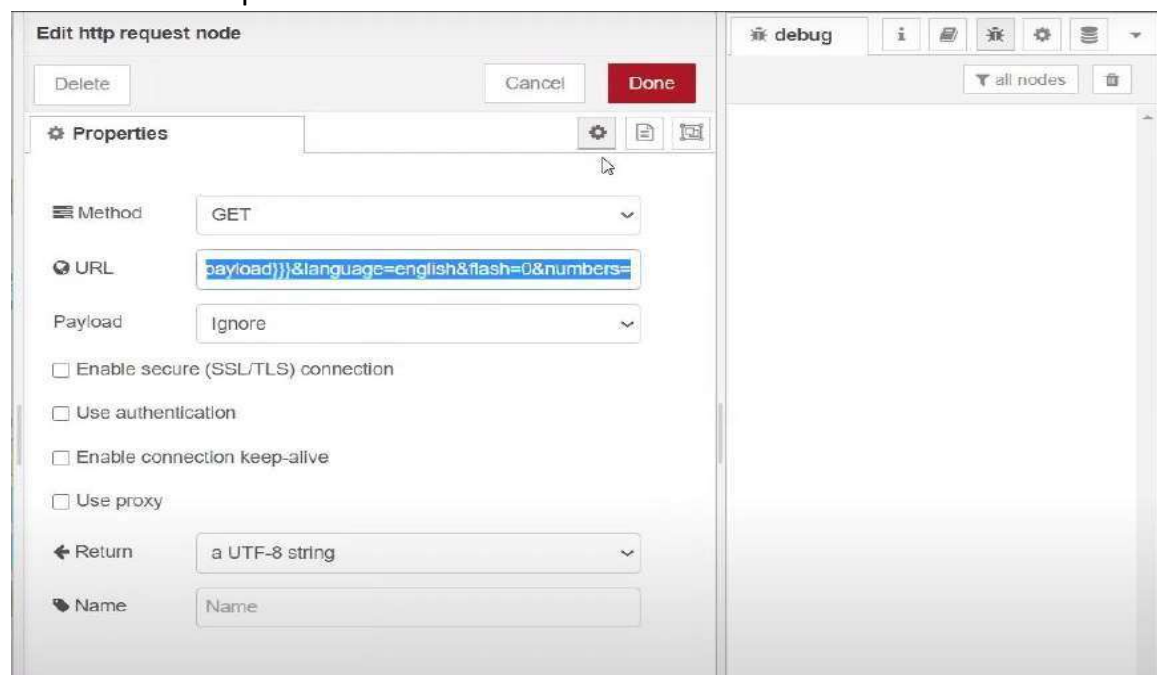
    #out area location
    #latitude= 17.4219272
    #longitude= 78.5488783
    myData={'name': name, 'lat':latitude, 'lon':longitude}
    client.publishEvent(eventId="status", msgformat="json", data=myData, qos=0, onPublish=None)
    print("Data published to IBM IoT platform: ",myData)
    time.sleep(5)

client.disconnect()
```

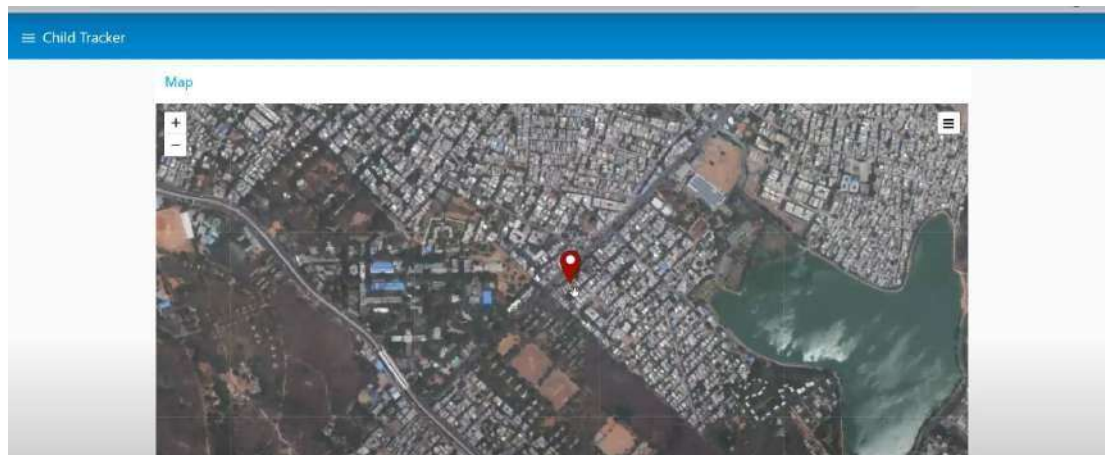
### 3.Create the GeoFence



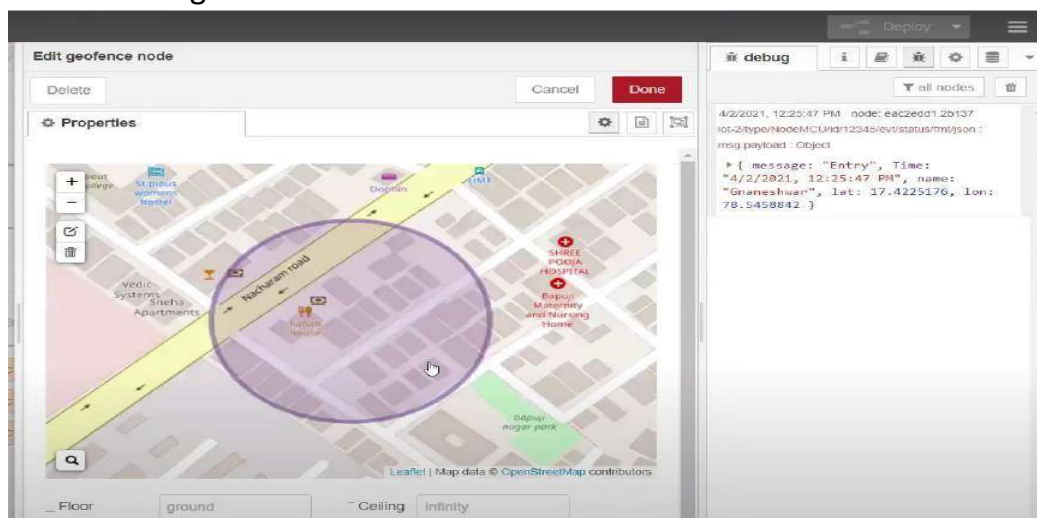
### 4.Edit the HTTP Request URL



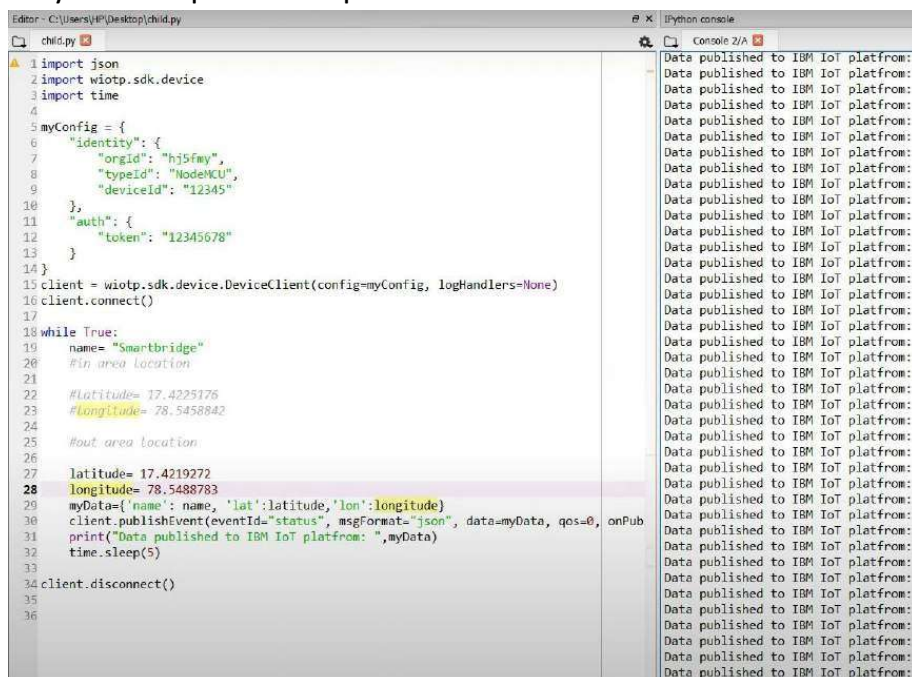
### 5. Locate the child



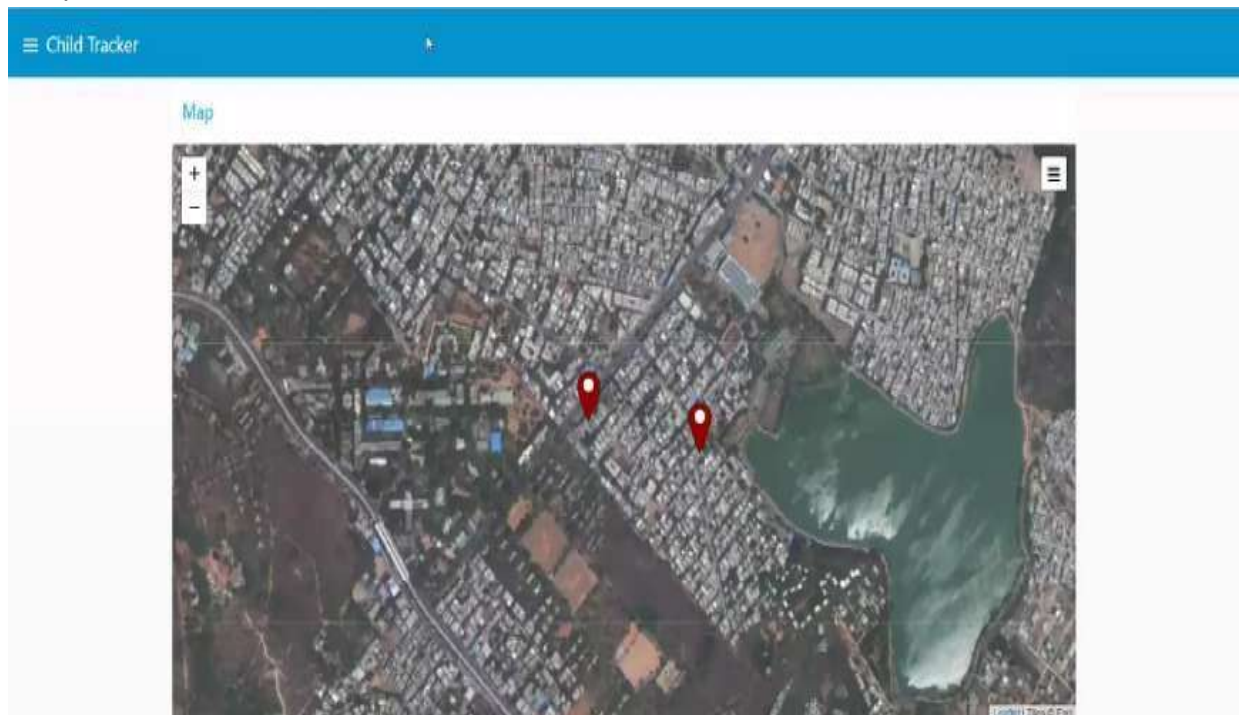
## 6. Create the geofence node



## 7. Python script send requests to IBM Cloud



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



**Conclusion:**

Developed the web application using Node-RED Successfully