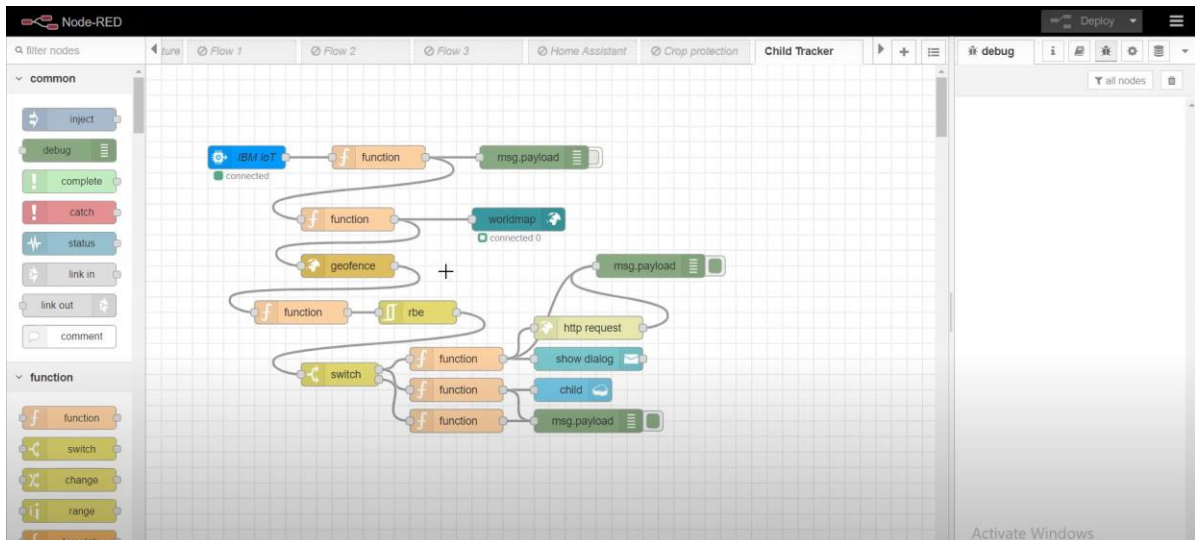


Web application using Node-Red TEAM-ID:PNT2022TMID13148

Aim: Develop the web application using Node-RED

Steps Followed:

- Opened a Node-RED project



- First you have to configure IBM setup
- Added code to get child location in python and get latitude and longitude of the child

```
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

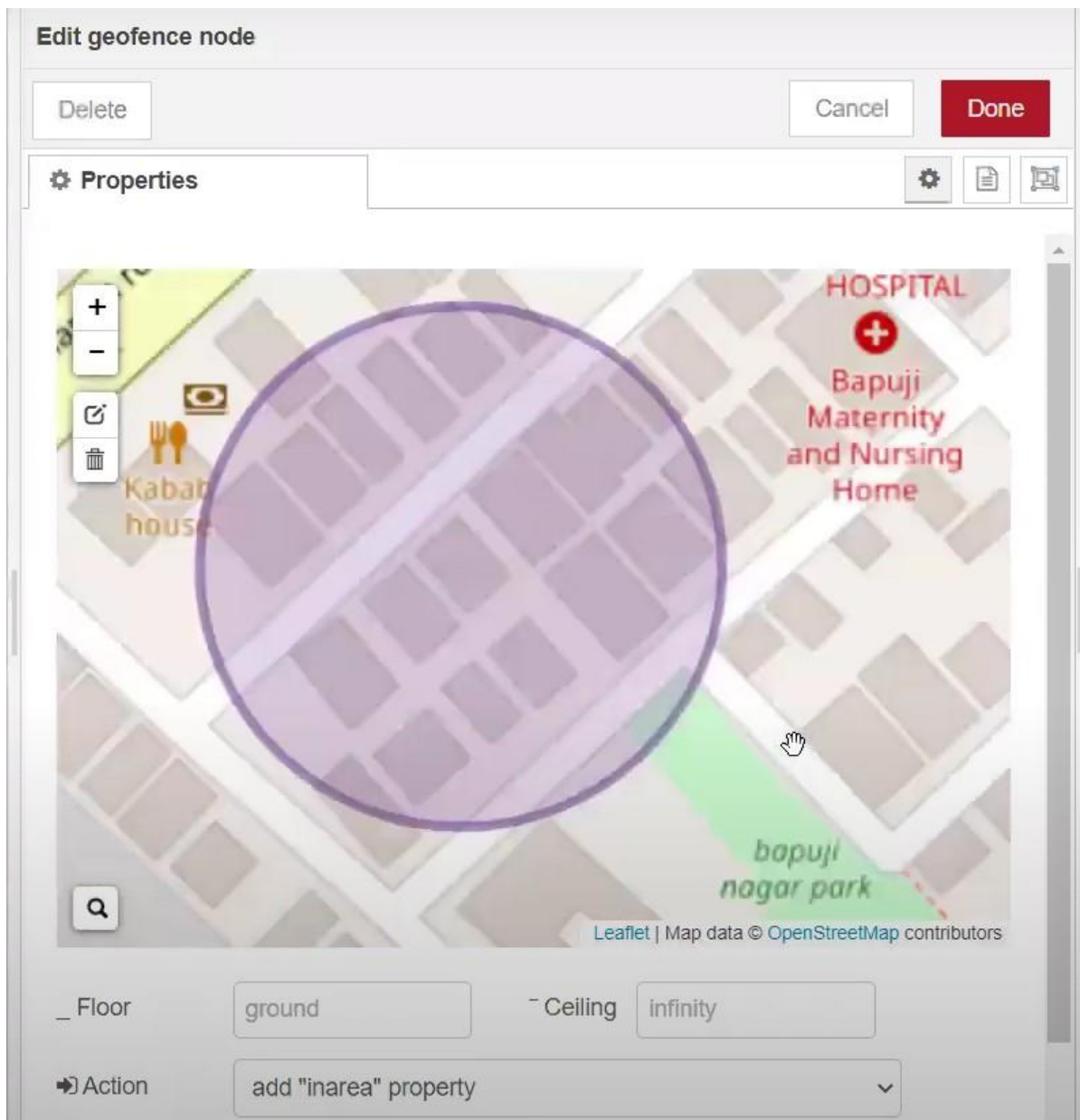
    latitude= 17.4225176
    longitude= 78.5458842

    #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 platfrom: ",myData)
    time.sleep(5)

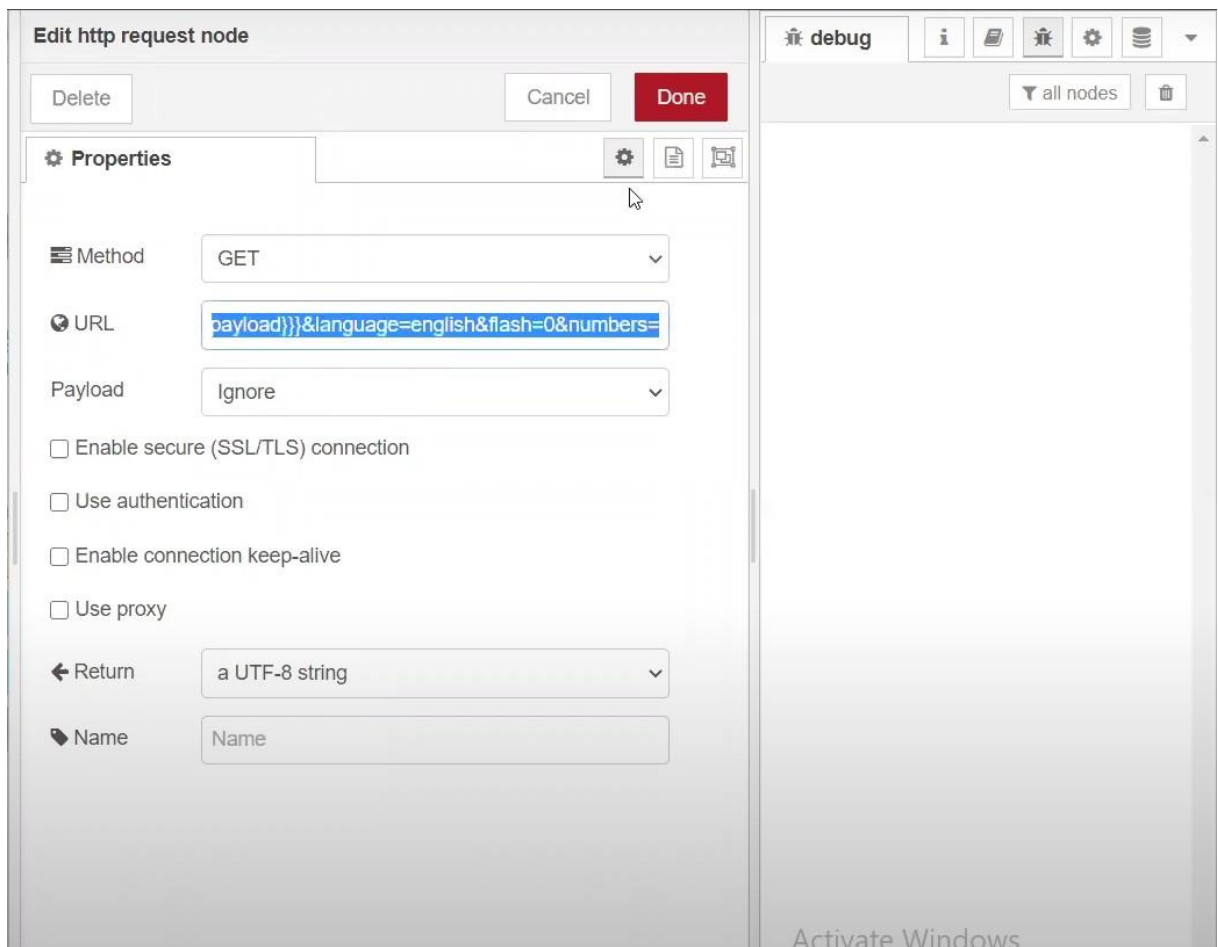
client.disconnect()
```

- Created the Geofence

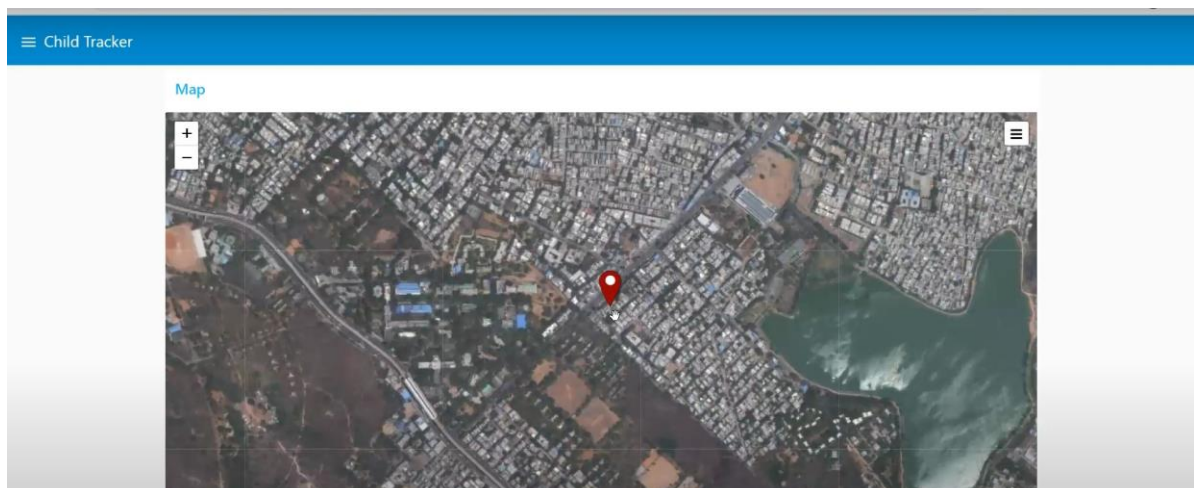


Node where the children have to be only with the range

- Editing the HTTP Request URL



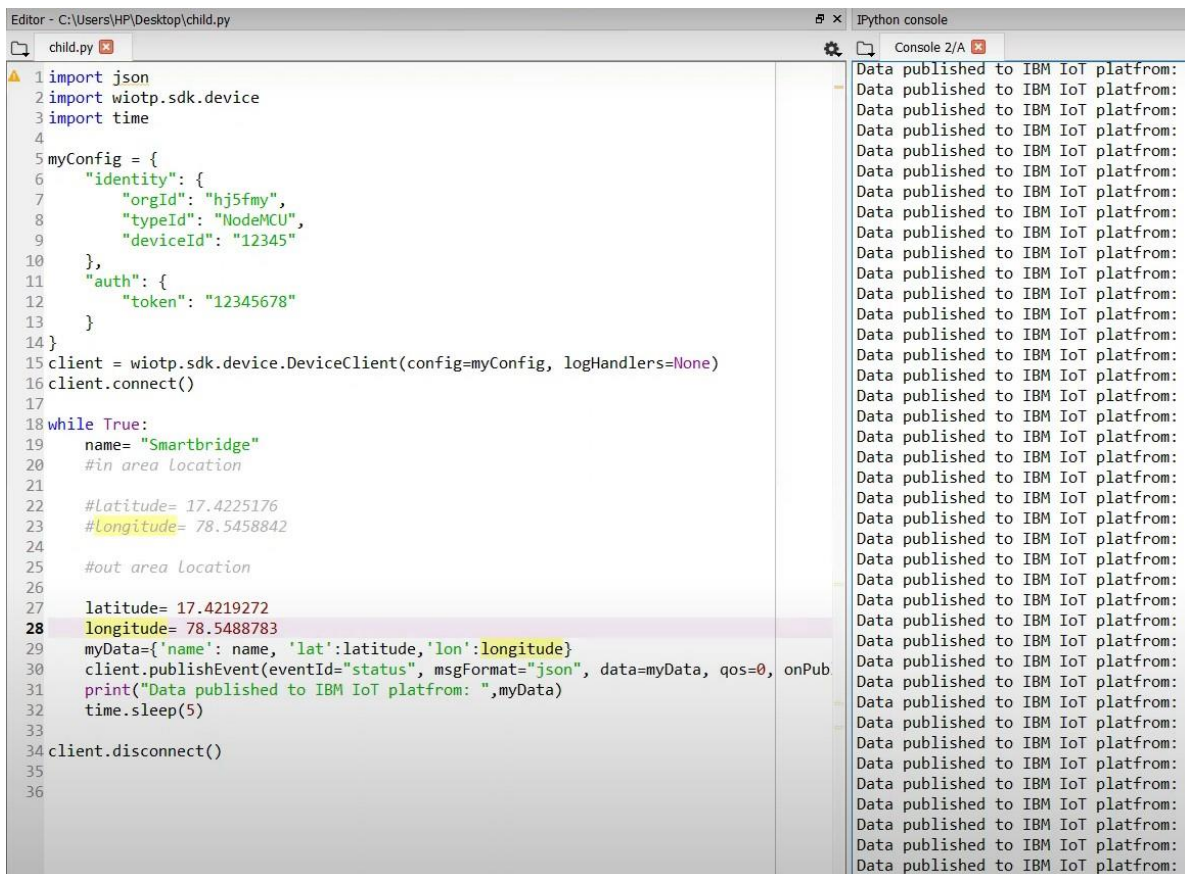
- Located the child



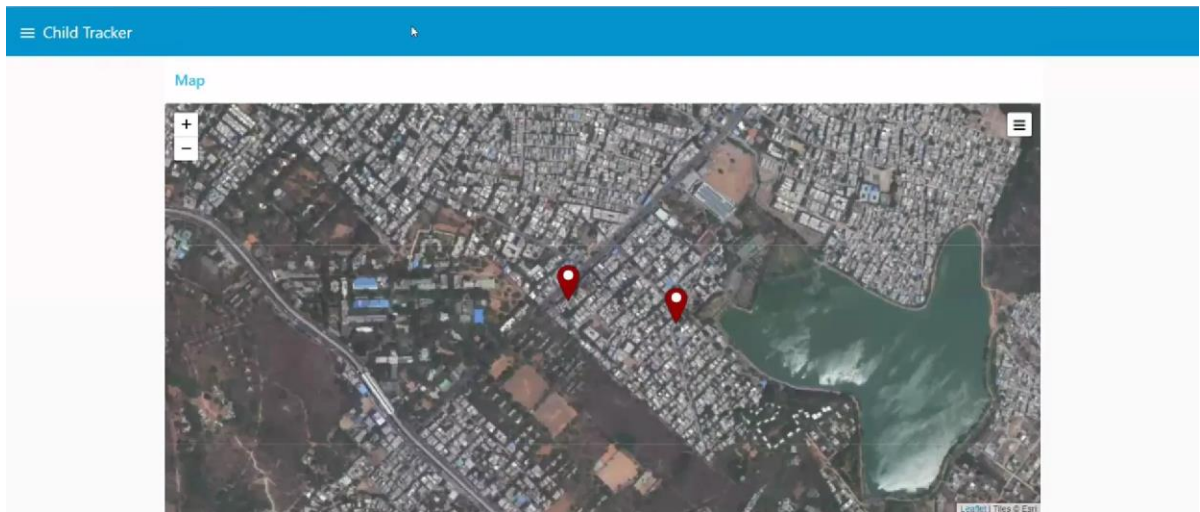
- Created the geofence node



- Python script sending requests to IBM Cloud



- After running the script, the web UI shows “Person is not in the particular area” so the pop up should come when the child is not



in the particular region..