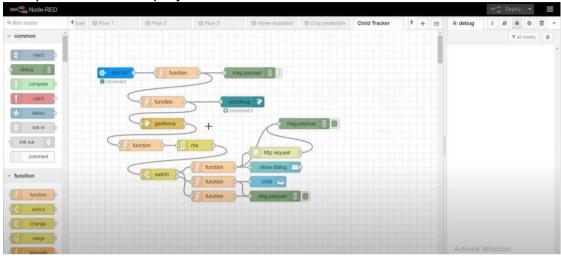
Develop The Web Application Using Node-RED

1. To Develop the web application using Node-RED

Steps:

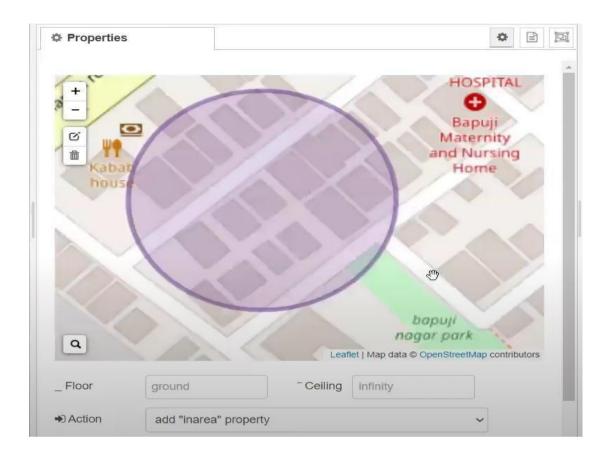
1. Open a Node-RED project



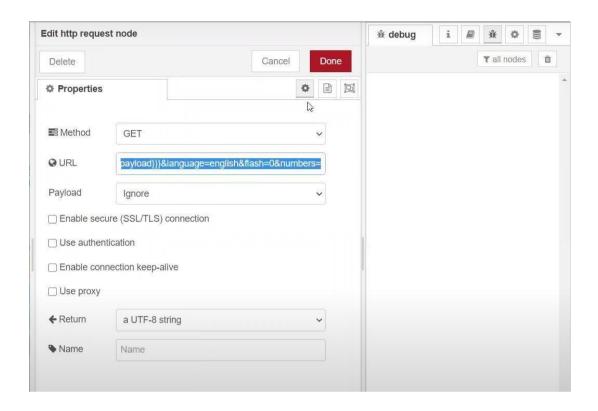
2. Add code to get child location in python

```
import json
import wiotp.sdk.device
import time
myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId": "12345"
     },
"auth": {
"+oke
           "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
           #langitude= 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()
```

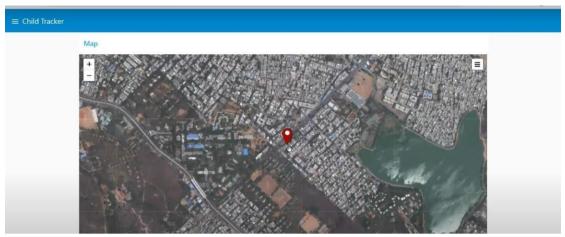
3. Create the GeoFence



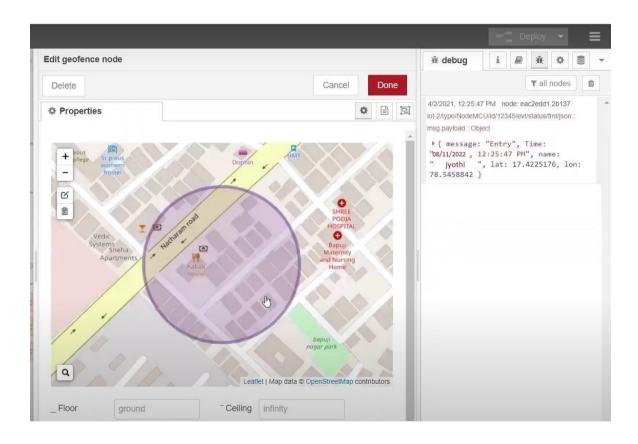
4. Edit the HTTP Request URL



5. Locate the child



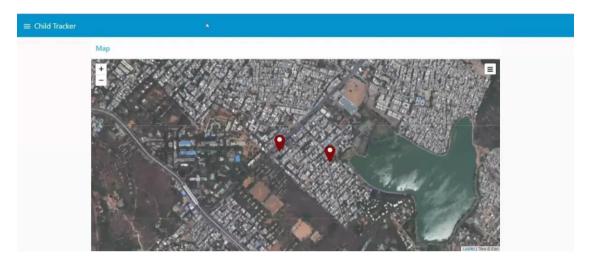
6. Create the geofence node



7. Python script send requests to IBM Cloud

```
### Console 2/A Co
```

7. After running the script, the web UI shows "Person is not in the particular area"



Conclusion:

Developed the web application using Node-RED Successfully