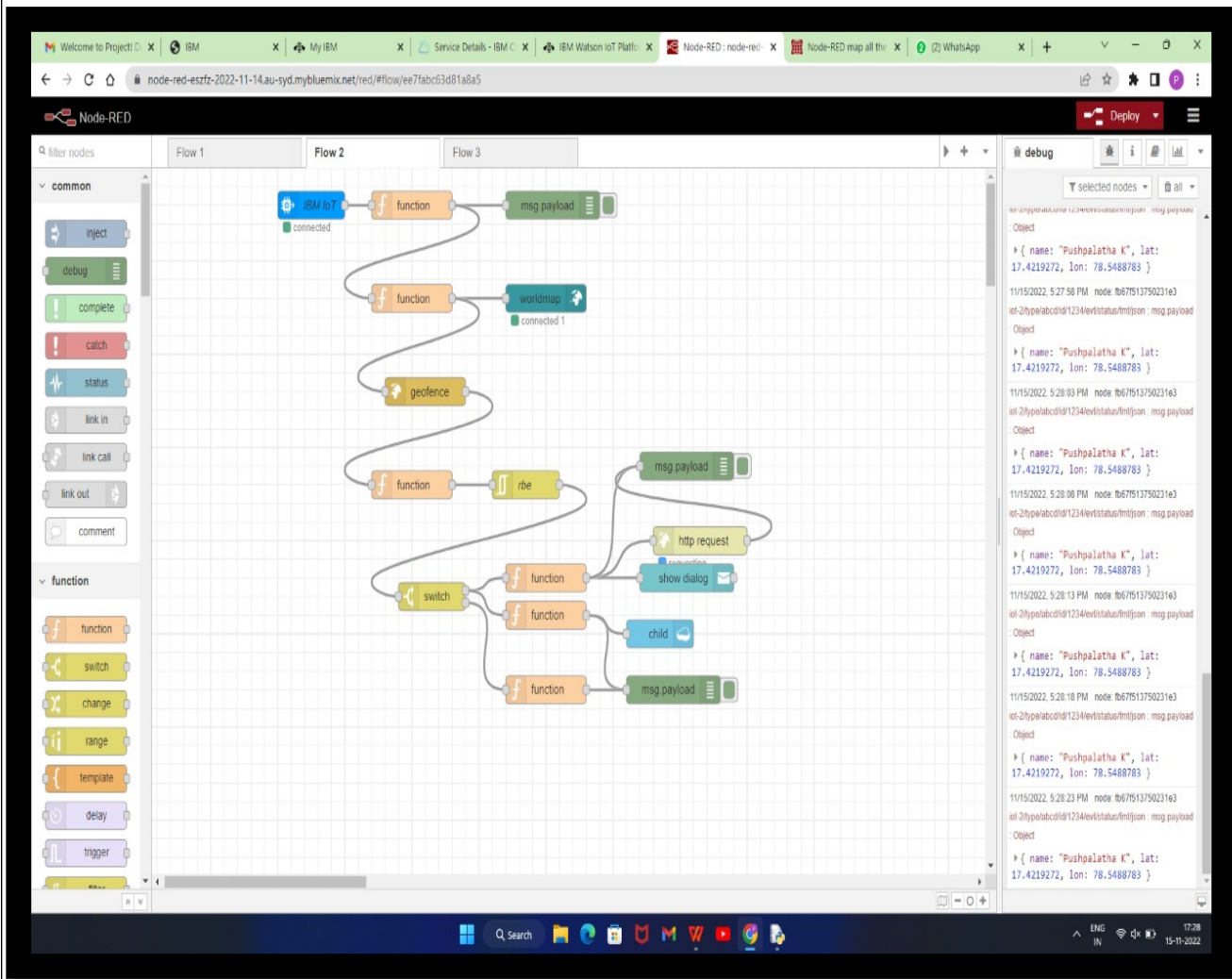


Develop A Web Application Using Node-RED

Steps Followed:

- Opened a Node-RED project



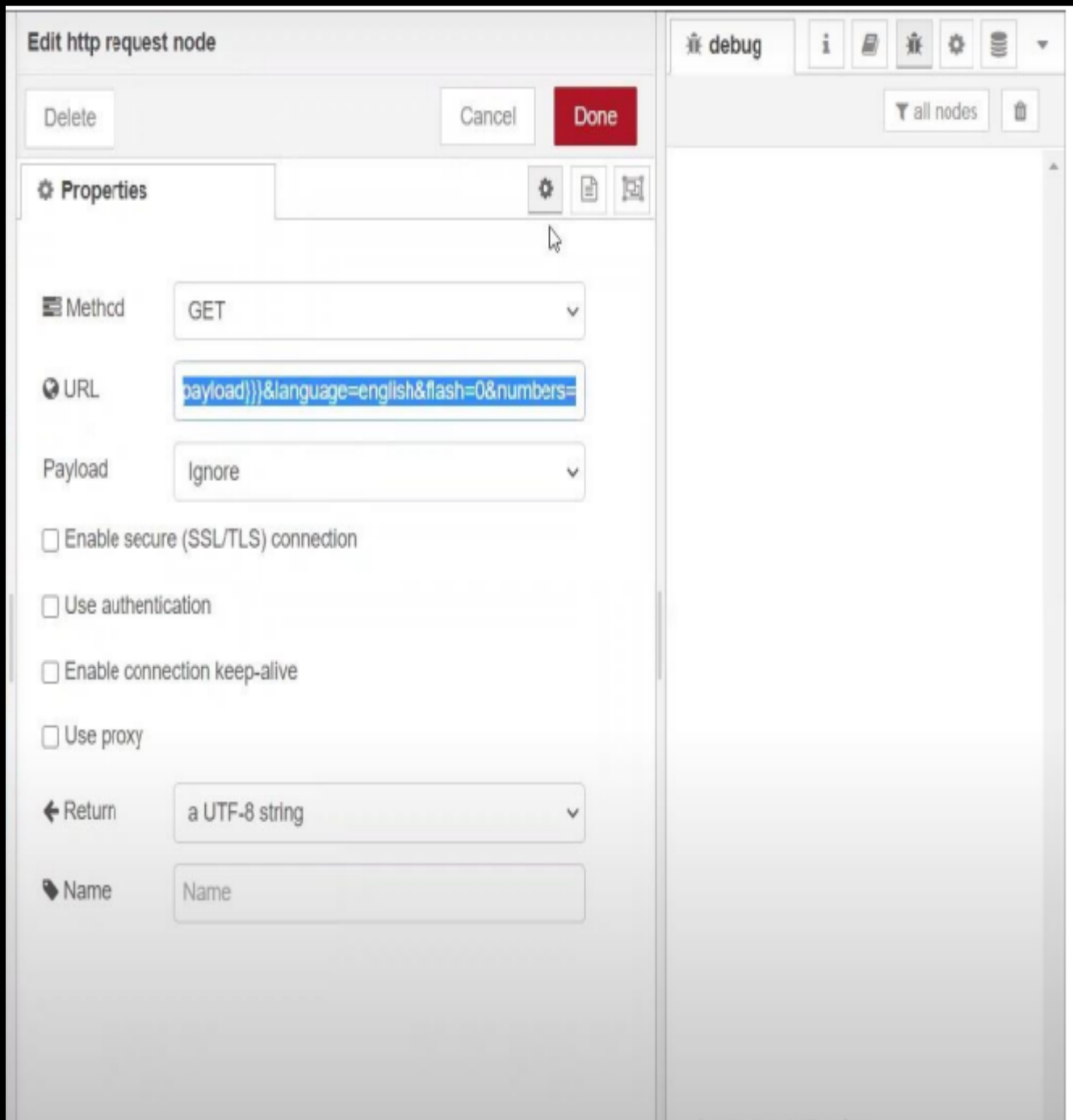
The screenshot displays the Node-RED web interface in a browser. The top navigation bar shows several open tabs, including 'Welcome to Project', 'IBM', 'My IBM', 'Service Details - IBM', 'IBM Watson IoT Platform', 'Node-RED: node-red', 'Node-RED map all the', and '(3) WhatsApp'. The address bar shows the URL: 'node-red-eszft-2022-11-14.au-syd.mybluemix.net/red/#flow/ee7fabcd3d81a8a5'.

The main workspace is divided into three flows: Flow 1, Flow 2, and Flow 3. Flow 2 is currently selected and shows a sequence of nodes: 'IBM IoT' (connected), 'function', 'msg payload', 'function', 'worldmap' (connected 1), 'geofence', 'function', 'rhe', 'msg payload', 'http request', 'show dialog', 'child', and 'msg payload'. A 'switch' node is also present, branching into three 'function' nodes, each connected to a 'msg payload' node.

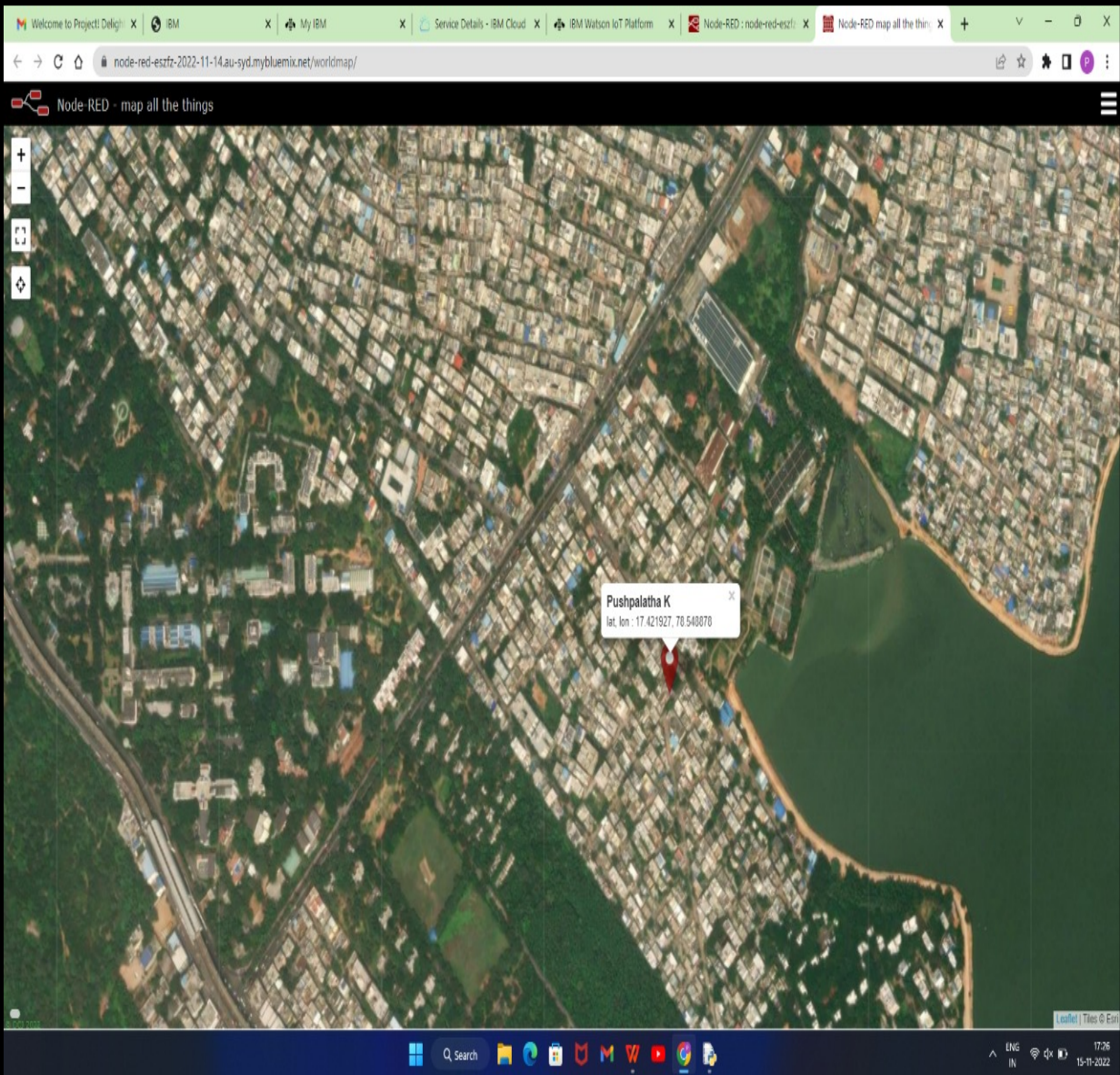
The left sidebar contains a 'filter nodes' section with 'common' and 'function' categories. The 'common' category includes nodes like 'inject', 'debug', 'complete', 'catch', 'status', 'link in', 'link call', 'link out', and 'comment'. The 'function' category includes 'function', 'switch', 'change', 'range', 'template', 'delay', and 'trigger'.

The right sidebar shows the 'Edit geofence node' configuration panel. It includes a 'Delete' button, 'Cancel', and 'Done' buttons. The 'Properties' section shows a map of Chennai with a purple geofence area. Below the map, there are fields for '_Floor' (set to 'ground') and '* Ceiling' (set to 'infinity'). The 'Action' dropdown is set to 'add "inarea" property'. There is a checkbox for 'Enable output of zones to WorldMap node' which is currently unchecked. The 'Name' field is set to 'Geofence name'. At the bottom, there is a checkbox for 'Enabled' which is currently unchecked.

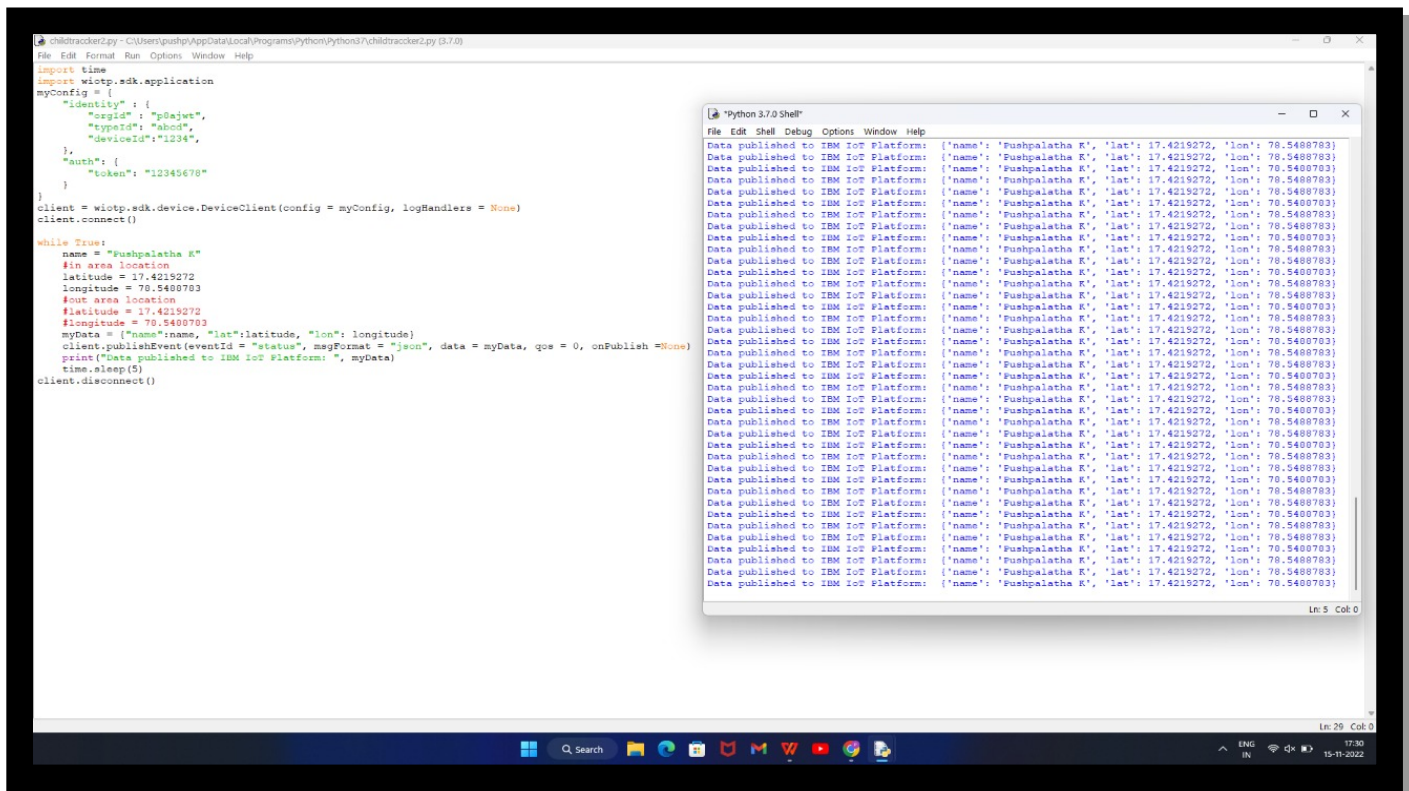
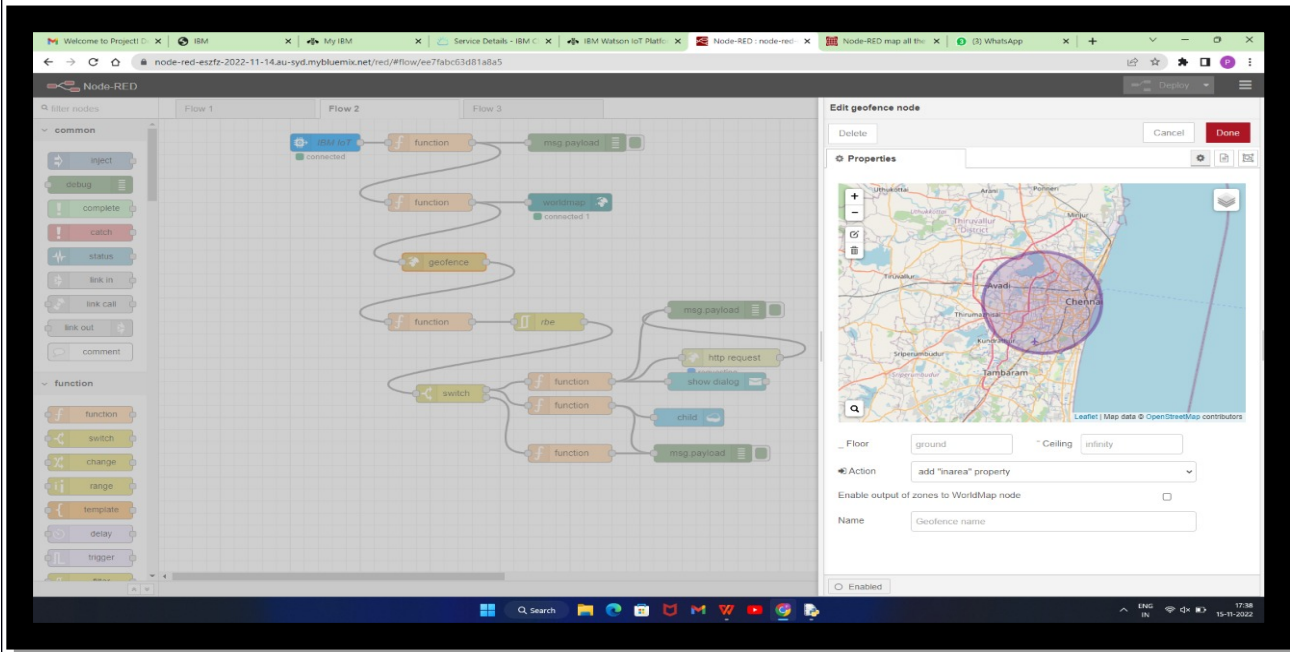
- **Editing the HTTP Request URI**



- **Located the child**



• Created the geofence node



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

Map



Result: Successfully developed a web application using Node-RED