

### Ultrasonic Sensor



Input  
Input

ESP8266



LDR



LED

Output



Servo 1



Servo 2



Potentiometer (0-24 V)

Output

Input

ESP8266



MQTT

## IoT Hardware – Data Pipeline



Raspberry Pi

# Esp8266 as shown in the Architecture

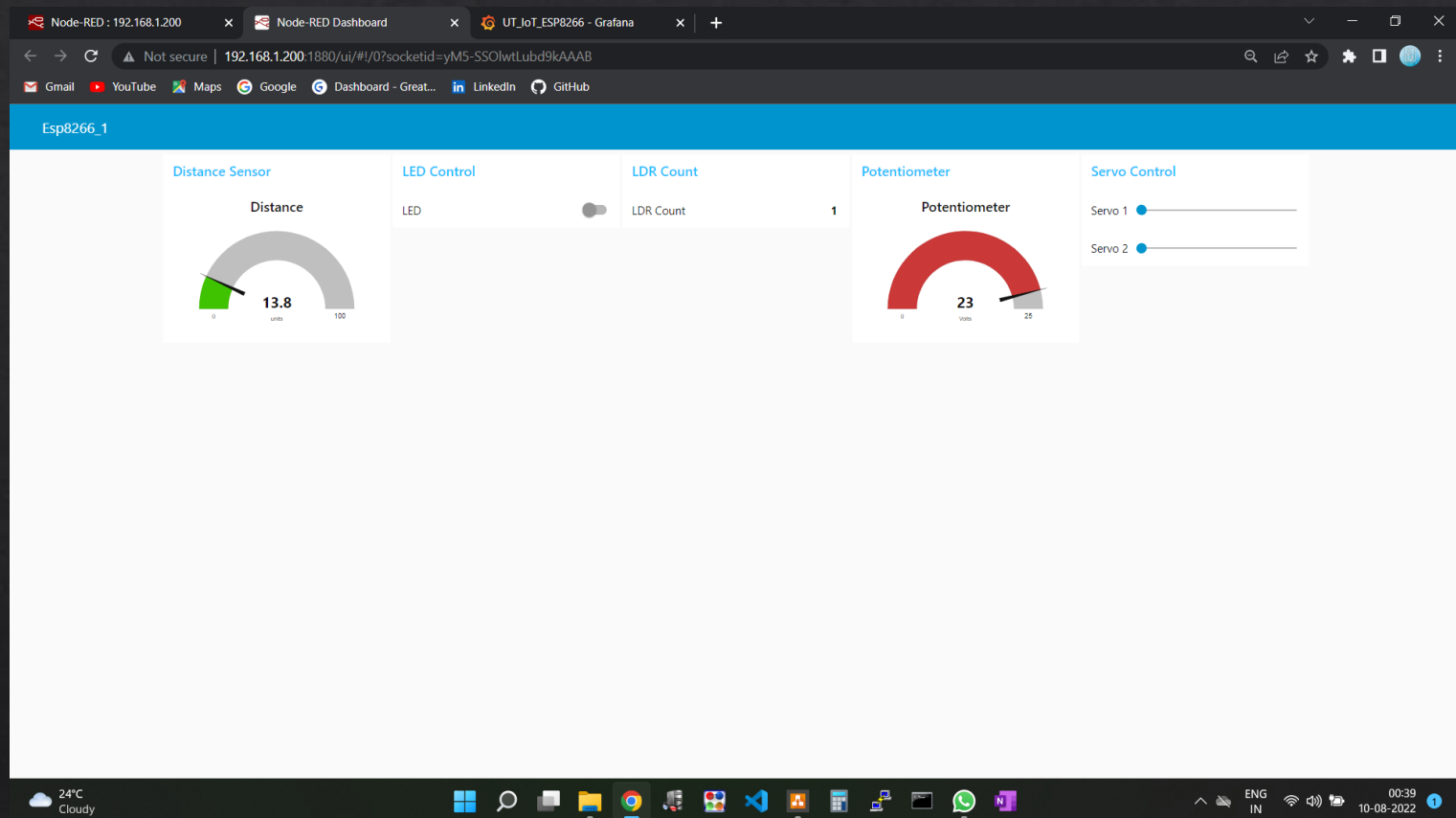
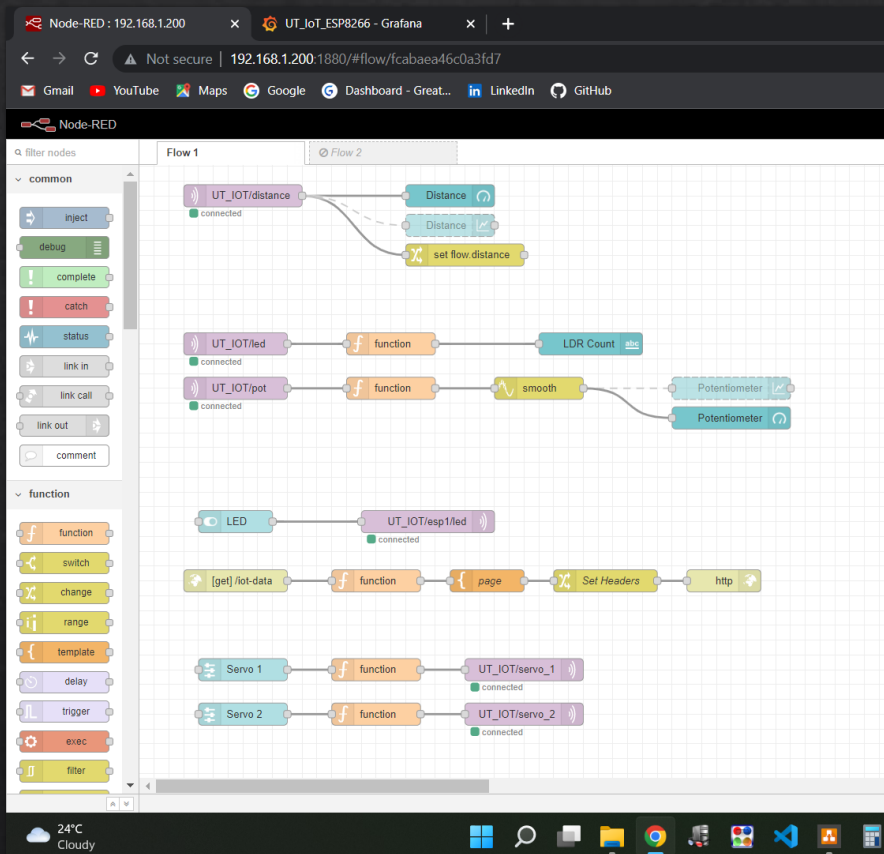




# RaspberryPi 4B



# NodeRED Flow and UI/Dashboard



# Grafana Dashboard (Using HTTP GET)

