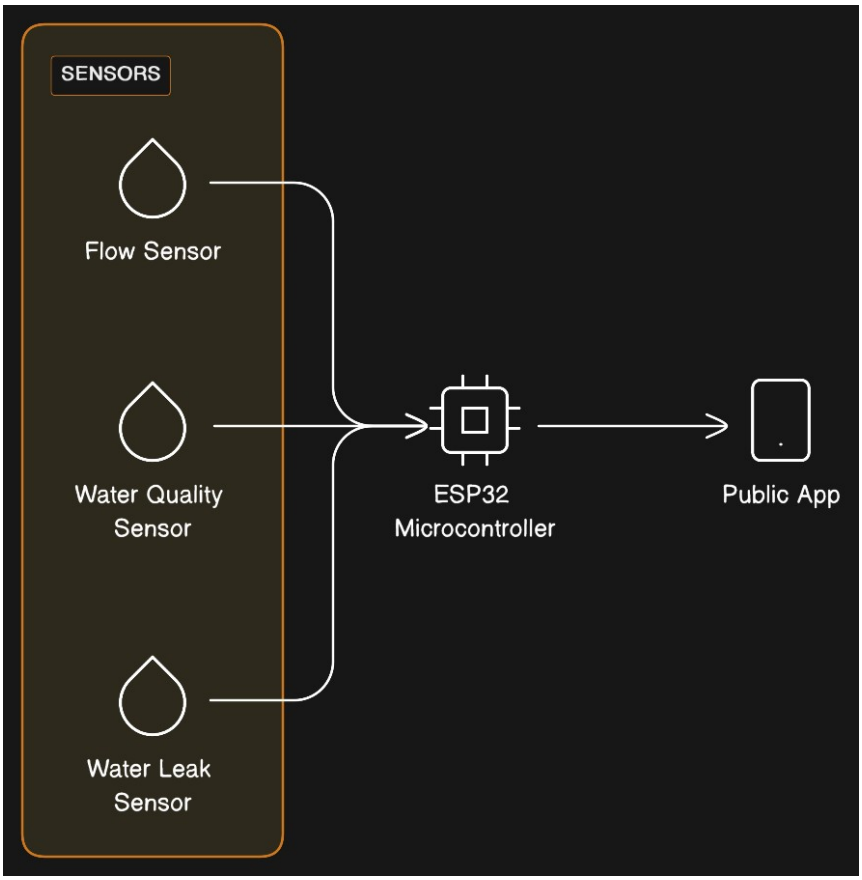
SMART WATER MANAGEMENT




```
from machine import Pin
import time
import network
import blynklib

WIFI_SSID = 'YourNetworkSSID'
WIFI_PASSWORD = 'YourNetworkPassword'
BLYNK_AUTH = 'YourAuthToken'

# Connect to WiFi
wifi = network.WLAN(network.STA_IF)
wifi.active(True)
wifi.connect(WIFI_SSID, WIFI_PASSWORD)

# Wait for the connection to be established
while not wifi.isconnected():
    time.sleep(1)
```

```
blynk = blynklib.Blynk(BLYNK_AUTH)

# Define the pins for your sensors
FLOW_SENSOR_PIN = 14
PRESSURE_SENSOR_PIN = 27
LEAK_SENSOR_PIN = 32

# Set up the pins
flow_sensor = Pin(FLOW_SENSOR_PIN, Pin.IN)
pressure_sensor = Pin(PRESSURE_SENSOR_PIN, Pin.IN)
leak_sensor = Pin(LEAK_SENSOR_PIN, Pin.IN)

def read_sensors():
    flow_rate = flow_sensor.value()
    pressure = pressure_sensor.value()
    leak_detected = leak_sensor.value()

    # Send the sensor values to Blynk
    blynk.virtual_write(0, flow_rate)
    blynk.virtual_write(1, pressure)
    blynk.virtual_write(2, leak_detected)

while True:
    read_sensors()
    blynk.run()
    time.sleep(1)
```