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#include <ESP8266WiFi.h>
#include <WiFiManager.h>
#include <DNSServer.h>
#include <dht11.h>

const char* apikey = "agi2EFoZ1Bey55frQ8tqeZJ1t5aOueDw"; // Replace with your key
float t, h;
const char DHTpin = D4;

dht11 DHT11;
WiFiClient client;

void setup() {
  Serial.begin(115200);
  WiFiManager wifiManager;
  if(!wifiManager.autoConnect("sensor21")) {
    Serial.println("failed to connect and hit timeout");
    delay(3000);
    ESP.reset();
    delay(5000);
  }
  Serial.println("connected");
}

void loop() {
  DHT11.read(DHTpin);
  t = DHT11.temperature;
  h = DHT11.humidity;

  // Post request
  String postdata = "apikey="+String(apikey)+"&field1="+String(t)+"&field2="+String(h);

  if (client.connect("sensor21.com",80)){
    client.println("POST /api/insertpost.php HTTP/1.1");
    client.println("Host: sensor21.com");
    client.println("Content-Type: application/x-www-form-urlencoded");
    client.print("Content-Length: ");
    client.println(postdata.length());
    client.println();
    client.print(postdata);
    Serial.println(postdata);

    if(client.connected() {
      client.stop();
    }
  }
  delay(60000); // wait 1 min.
}

```