

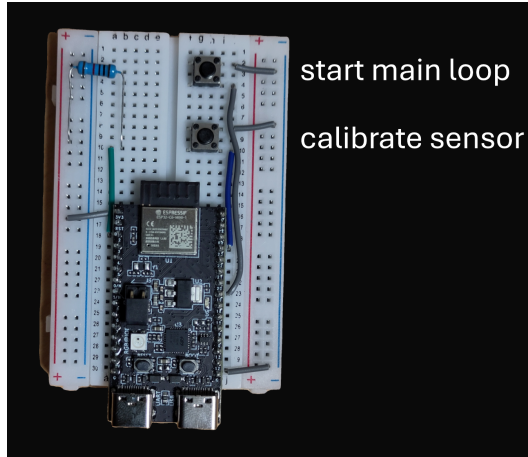


ESP32 Temperature Sensor Project

An IoT Implementation with Deep Sleep

Group 1

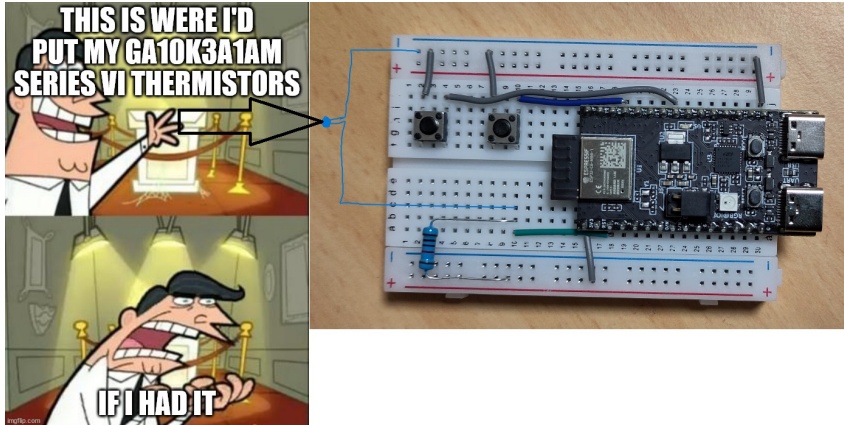
Prototype



Power Saving Features

- Deep Sleep Mode
 - 30 second sleep intervals between measurements
 - 300 second sleep after 10 measurements completed
- WiFi Power Optimization
 - Modem sleep mode enabled
 - Quick reconnect using stored WiFi config
 - WiFi disabled during sleep
- ADC Power Management
 - One-shot ADC readings
 - Only 5 samples per measurement
 - ADC unit deleted before sleep

Where is the thermistor?



Thank you for your attention!