

# Components Required

## Hardware

1. Raspberry Pi Pico 2W (Wi-Fi enabled, RP2350 chip)
2. DHT22 Temperature & Humidity Sensor
3. Soil Moisture Sensor (Analog Output)
4. 2-Channel Relay Module (for pump & fan)
5. Water Pump
6. Cooling Fan
7. Jumper Wires
8. Breadboard
9. 5V Power Supply

## Software / Tools

- Firmware: *MicroPython UF2 for Raspberry Pi Pico 2W (RP2350)*
- Thonny IDE
- ThingSpeak IoT Dashboard