

# Cat Track

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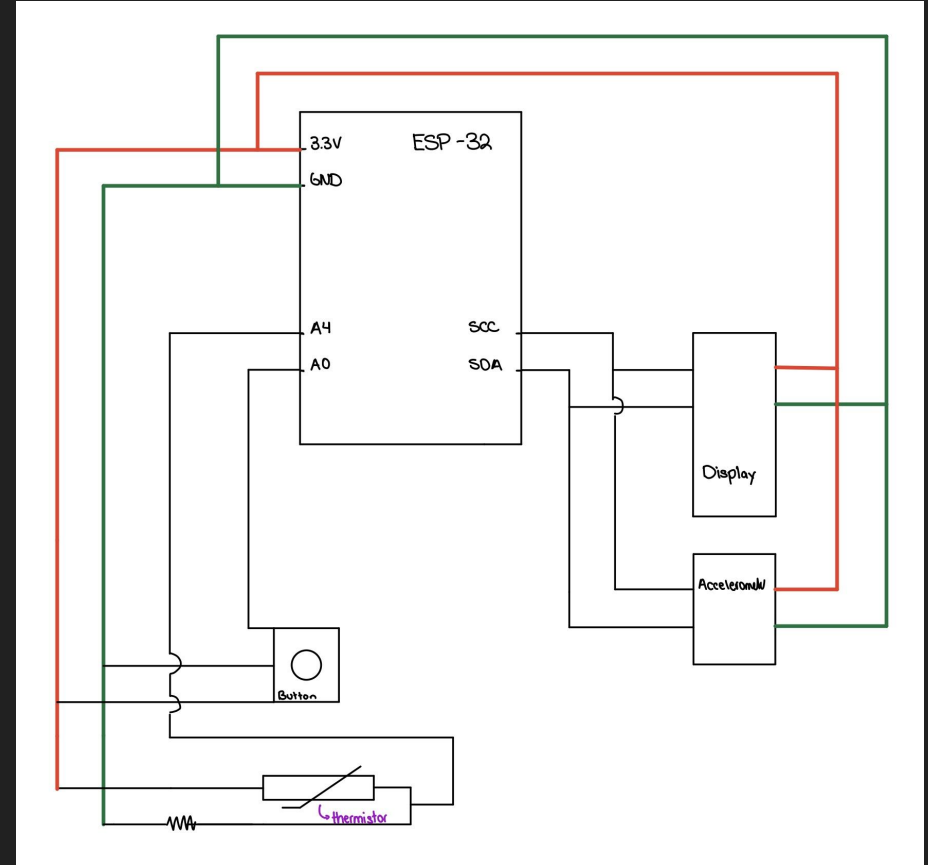
# Project Descriptions

## Project: Cat Track – Smart Cat Collar

- A wearable smart collar that monitors and classifies a cat's activity into states
- Uses an accelerometer to measure activity and an alphanumeric display to show the cat's name (Peaches), when a button is pressed.
- Continuously tracks time, temperature, and activity, sending data to a laptop and then a node.js server for real-time visualization as strip charts.
- Implements I2C communication, allowing multiple devices (accelerometer and display) to share the same SDA and SCL pins on the ESP32.

# Circuits and Logic

- The Button acts as a signal input where once the signal is captured the Alphanumeric displays the Name,



# Reflections

- Start Earlier
- Get familiar with I2C protocols
- Ask for help
- Plan ahead with completing our skills