For this lab, I was able to successfully conenct a temperature and humidity sensor to my Raspberry Pi. One of the major challenges I faced was an error related to the LCD display not being detected. Initially, I used the wrong library meant for I2C LCDs, I was doing a bit of research before remembering we are using GPIO pins. After correcting this I altered the code to use the parallel character\_lcd library with specific GPIO pin assignments, which resolved the issue.

Another hurdle was ensuring the I2C sensor was correctly addressed and connected. I used the i2cdetect command to verify that the sensor was properly recognized by the system.

I was able to overcome all major issues with research and trial and error, but I would still like some help understanding how to make the script run automatically on boot.

Screenshot:

A circuit board with wires and a display

Description automatically generated