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Project 2 Abstract

For this project we ill be utilizing ATMEGA328 microcontroller with a Wi-Fi module to create an Internet of Things Wi-Fi enabled LED strip. This LED strip allows each led to be individually controlled. With this we can utilize the Wi-Fi module to allow for remote configuration of the LED colors. We will use a button or control nob to allow for manual input as well. Please see our preliminary designs.

Diagram, schematic

Description automatically generated

Preliminary Part list (Will be added to excel spreadsheet)

1. LED strip 1528-2010-ND <https://www.digikey.com/en/products/detail/adafruit-industries-llc/1721/6827143>
2. WiFi Module 1568-WRL-17146-ND <https://www.digikey.com/en/products/detail/sparkfun-electronics/WRL-17146/13282842>