Connections:
MQ2 Gas Sensor:
VCC → NodeMCU 3.3V
$GND  o NodeMCU \ GND$
A0 → NodeMCU A0
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LCD 1602A Display:
$GND  o NodeMCU \; GND$
VDD → NodeMCU 3.3V
V0 → Potentiometer middle pin (for contrast adjustment)
RS → NodeMCU D6
$RW \rightarrow GND$
$E \rightarrow NodeMCU D7$
D4 → NodeMCU D1
D5 → NodeMCU D2
D6 → NodeMCU D3
D7 → NodeMCU D4
BLA → NodeMCU 3.3V (backlight positive)
BLK → NodeMCU GND (backlight negative)
Potentiometer:
One leg → NodeMCU 3.3V

Other pin  $\rightarrow$  NodeMCU GND

Middle pin $\rightarrow$ LCD V0
LEDs:
Green LED:
Positive pin → NodeMCU D1 (with resistor)
Negative pin $\rightarrow$ GND
Yellow LED:
Positive pin → NodeMCU D2 (with resistor)
Negative pin $\rightarrow$ GND
Red LED:
Positive pin → NodeMCU D3 (with resistor)
Negative pin $\rightarrow$ GND
Buzzer:
Positive pin → NodeMCU D5 (with resistor)
Negative pin → GND