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The MPU6050 is an accelerometer and gyroscope sensor that communicates with the Arduino Nano using the I2C protocol. Here are the necessary connections:

- VCC (MPU6050) to 5V (Arduino Nano): This provides power to the sensor.
- GND (MPU6050) to GND (Arduino Nano): Connects the ground of both components to establish a common reference.
- SCL (MPU6050) to A5 (Arduino Nano): This is the clock line for I2C communication, allowing synchronization of data.
- SDA (MPU6050) to A4 (Arduino Nano): This is the data line for I2C, which carries the sensor data.

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