* Configure Arduino IDE for ESP8266: Open the Arduino IDE and go to "File" -> "Preferences". In the "Additional Boards Manager URLs" field, enter the following URL:

http://arduino.esp8266.com/stable/package\_esp8266com\_index.json

Click "OK" to save the preferences.

* Install ESP8266 board package: Go to "Tools" -> "Board" -> "Boards Manager". In the Boards Manager window, type "esp8266" in the search bar. You should see an entry named "esp8266 by ESP8266 Community". Click on it and then click the "Install" button. Wait for the installation to complete.
* Select the ESP8266 board: After the installation, go to "Tools" -> "Board" and select the appropriate ESP8266 board from the list. Choose the specific board variant that matches your ESP8266 module, such as "NodeMCU 1.0", "WeMos D1 R2 & Mini", or "Generic ESP8266 Module".