**Noise pollution**

import serial

import requests

# Define the Arduino serial port (change this to the correct port)

arduino\_port = 'COM6'

# Define the API endpoint of the noise pollution information platform

api\_url = "https://your-api-endpoint.com/data"

try:

arduino = serial.Serial(arduino\_port, 9600)

except Exception as e:

print(f"Error opening Arduino serial port: {str(e)}")

exit()

while True:

try:

data = arduino.readline().decode('utf-8').strip()

print(f"Received from Arduino: {data}")

data = {

"sensor\_id": "sensor\_1", # Replace with your sensor ID

"noise\_level": data,

"timestamp": int(time.time())

}

response = requests.post(api\_url, json=data)

if response.status\_code == 200:

print("Data sent successfully")

else:

print("Failed to send data")

except Exception as e:

print(f"An error occurred: {str(e)}")