INDIA AIR QUALITY ANALYTICS REPORT

By

S VIJAYALAKSHMI

AGENDA

- INTRODUCTION
- SYSTEM CONFIGURATION
- SYSTEM ANALYSIS
- DFD
- FORMS AND REPORTS
- BIBLIOGRAPHY

INTRODUCTION

Today air pollution has been one of the significant problems to deal with for any nation. In South Asia, it is ranked as the sixth most dangerous killer. One does not realize the harmful effects of a problem if he/she has not experienced it in the first place. We all have experienced what it feels like inhaling in the ‘deadly’ smog that remained for about a week, after Diwali. Citizens were advised not to leave their homes and were asked to wear masks whenever going outside. Looking outside the window makes us feel like living in a gas chamber. Low visibility, a high number of deaths, etc. were the effects of pollution.

The data used in this project is a cleaner version of the Historical Daily Ambient Air Quality Data released by the Ministry of Environment and Forests and Central Pollution Control Board of India under the National Data Sharing and Accessibility Policy (NDSAP). From the analysis, we can see that the majorly affected states in India by air pollution, states which are heavily polluted and require immediate action. From the data analysis approach, we can conclude that data analysis is a crucial aspect of a better future. The approach is purely data-driven, however, is backed by real-life instances(news articles).

SYSTEM CONFIGURATION

HARDWARE SPECIFICATION

Processor	:	Pentium R @ 3.20 GHz
Hard disk	:	40 GB
RAM	:	2 GB
Monitor type	:	Micromesh 14” color monitor
Mouse type	:	Logitech scroll mouse
Keyboard	:	Samsung 104 keys

SOFTWARE SPECIFICATION

Operating System	:	Windows 7 Desktop PC
Front End	:	Angular 11.0.7
Back End	:	Django 3.1.6 (Python 3.7.3)
Database	:	MY-SQL 5.6.44

SYSTEM ANALYSIS

EXISTING SYSTEM

In the existing system, all one and a half million records are seen in a file, it is a time-consuming process and all these data is difficult to be analyzed manually.

DRAWBACKS OF EXISTING SYSTEM

- Less visibility with information available
- Time-consuming process
- Forecasting the future with historic records is very hard
- Cannot find key indicators to get an overview
- Real-time analytics is not possible

SYSTEM ANALYSIS

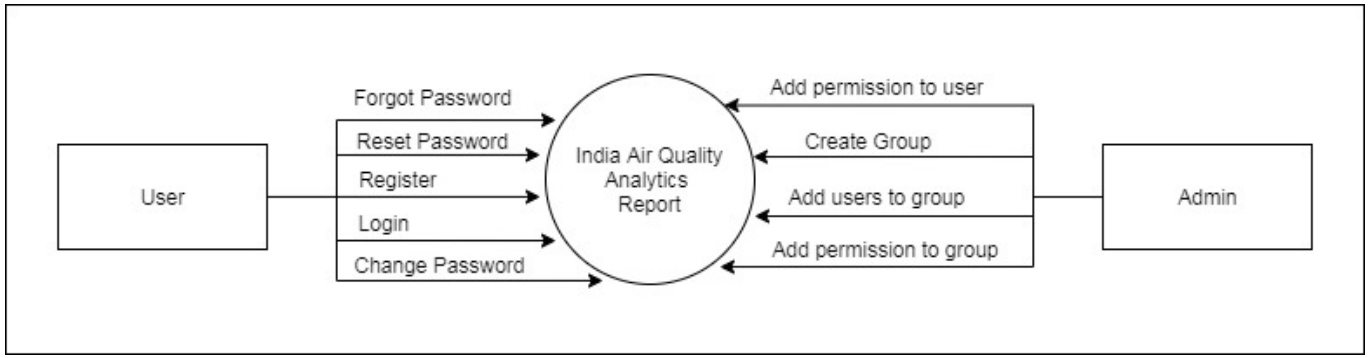
PROPOSED SYSTEM

A dashboard uses data visualisation technology to analyse and display information visually in a practical and useful way. It can be used across a multitude of functional areas within an organisation. A business intelligence dashboard manages information by tracking important data points. The dashboard gives you a consolidated view of all data on custom dashboards that deliver valuable insights. A dashboard is an easy-to-understand, visualised summary of data analysis that provides an at-a-glance overview of multiple areas.

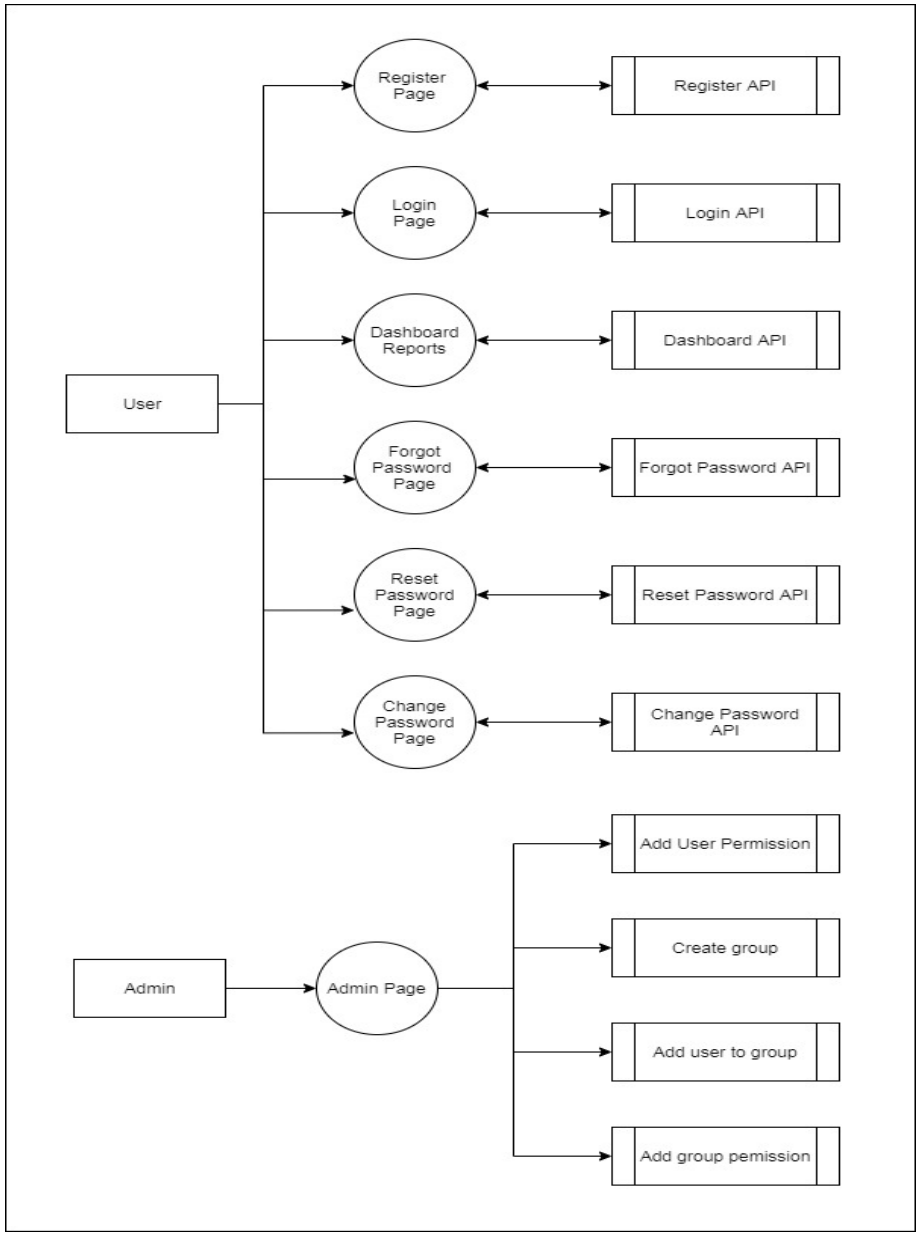
ADVANTAGES OF PROPOSED SYSTEM

- Provides greater visibility with information available
- Better forecasting and better decisions can be made
- With an overview of key indicators can analyse key data quickly and meticulously
- Real-time vision and accurate insight using detailed historic data
- Visualised interactivity serves to deliver overwhelming amounts of data in a way that is easy to understand

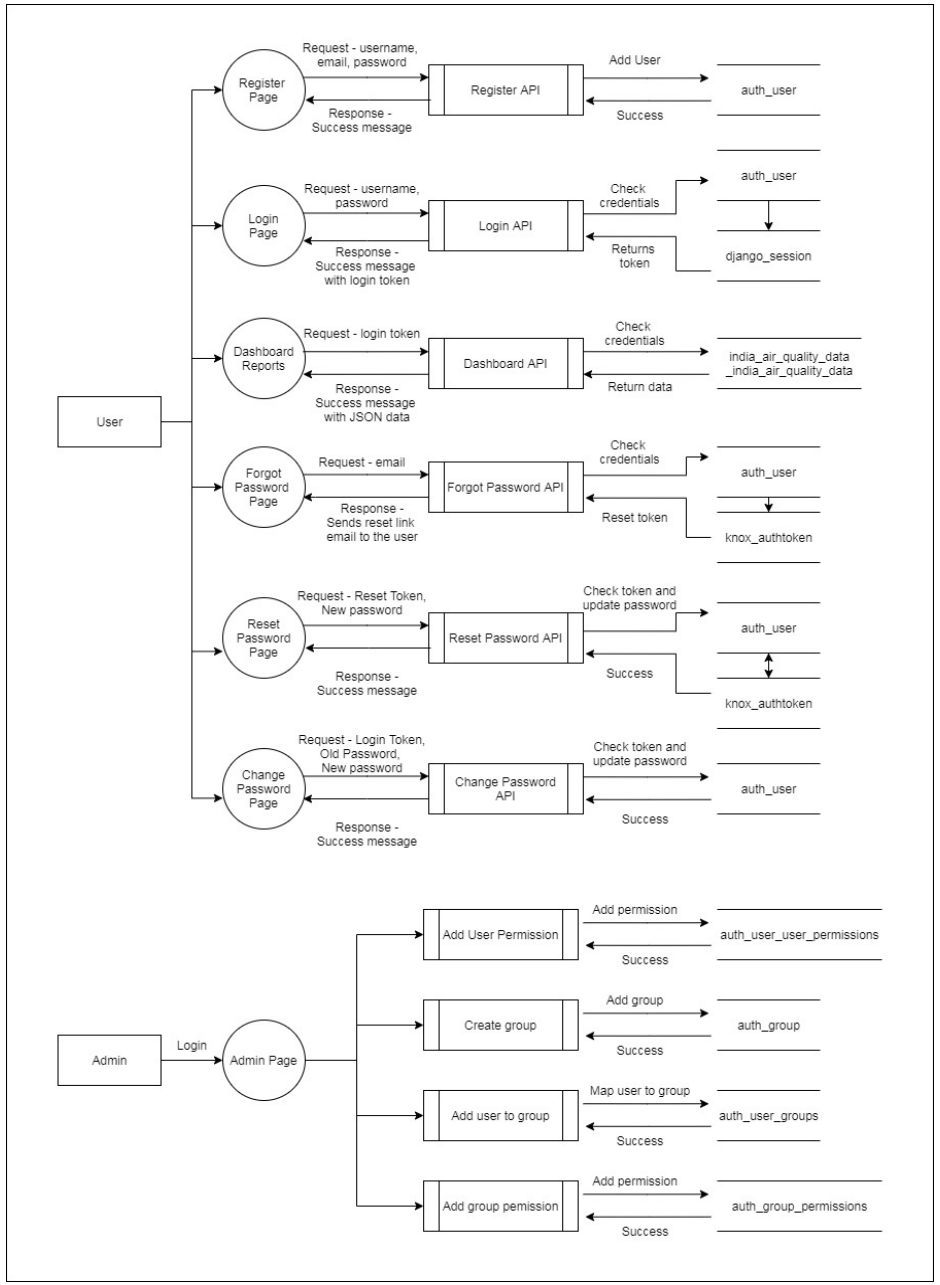
DATA FLOW DIAGRAM LEVEL 0

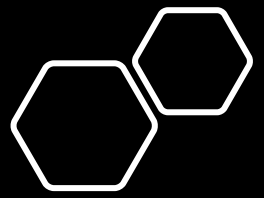


DATA FLOW DIAGRAM LEVEL 1

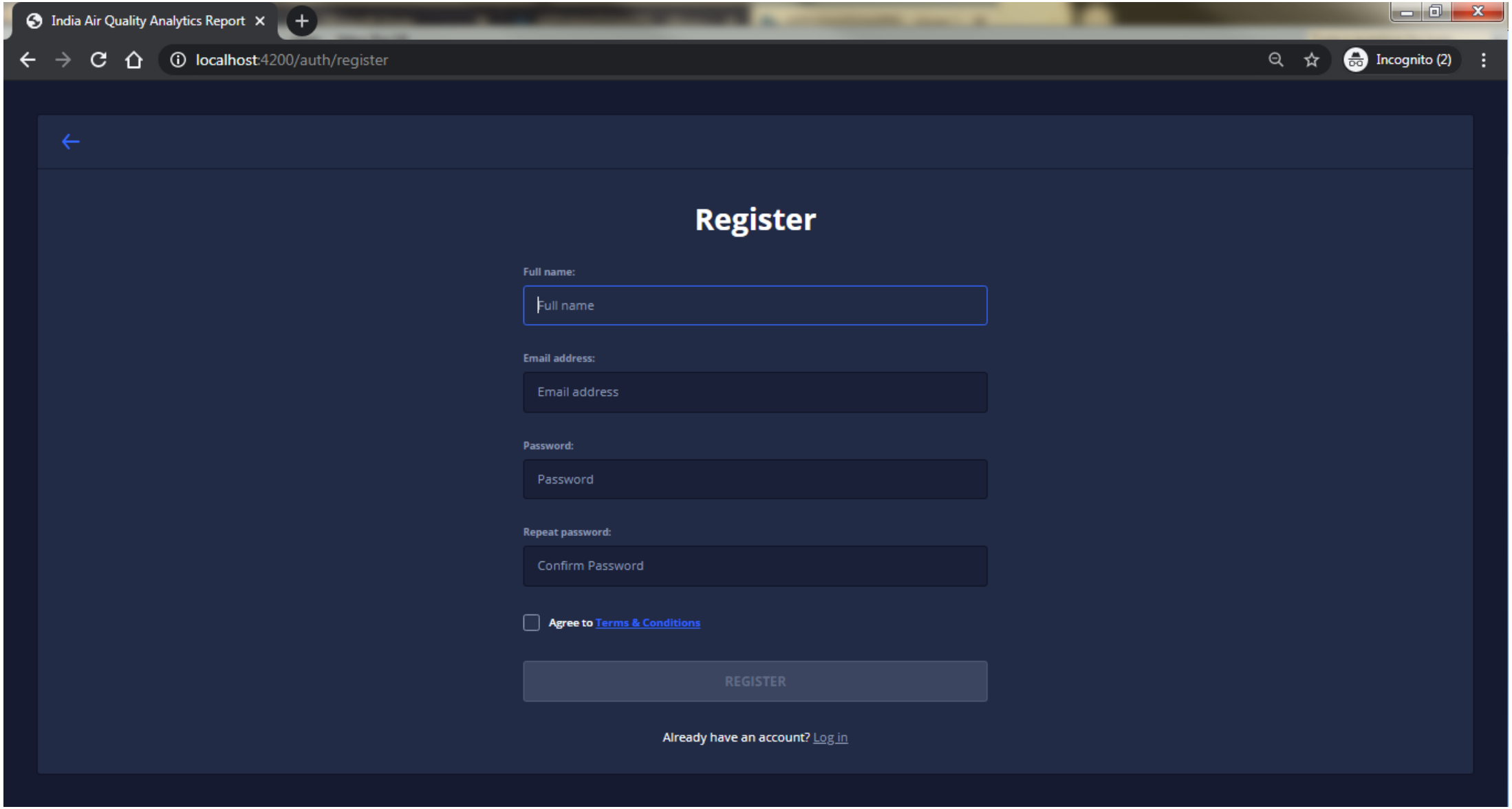


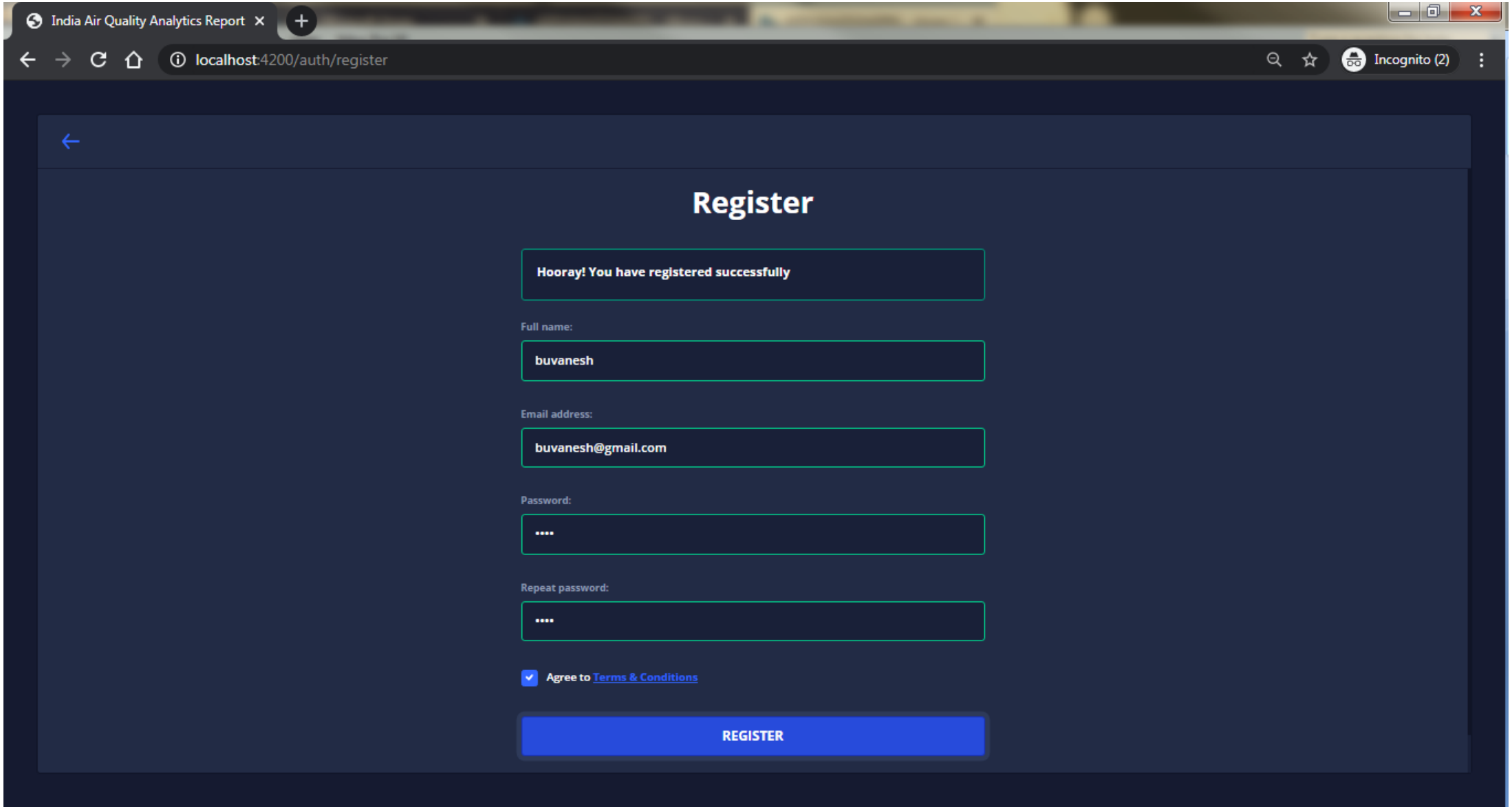
DATA FLOW DIAGRAM LEVEL 2

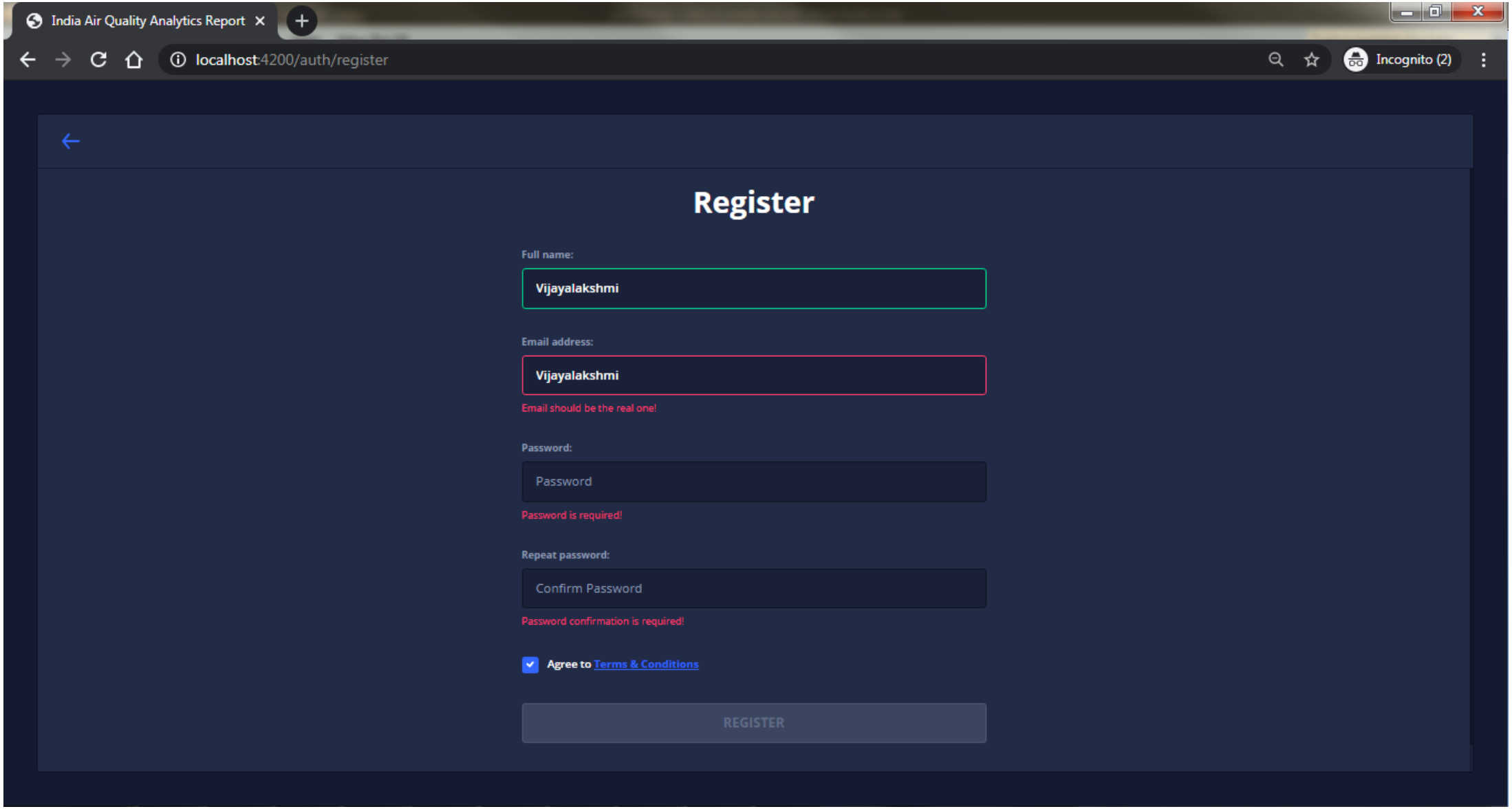


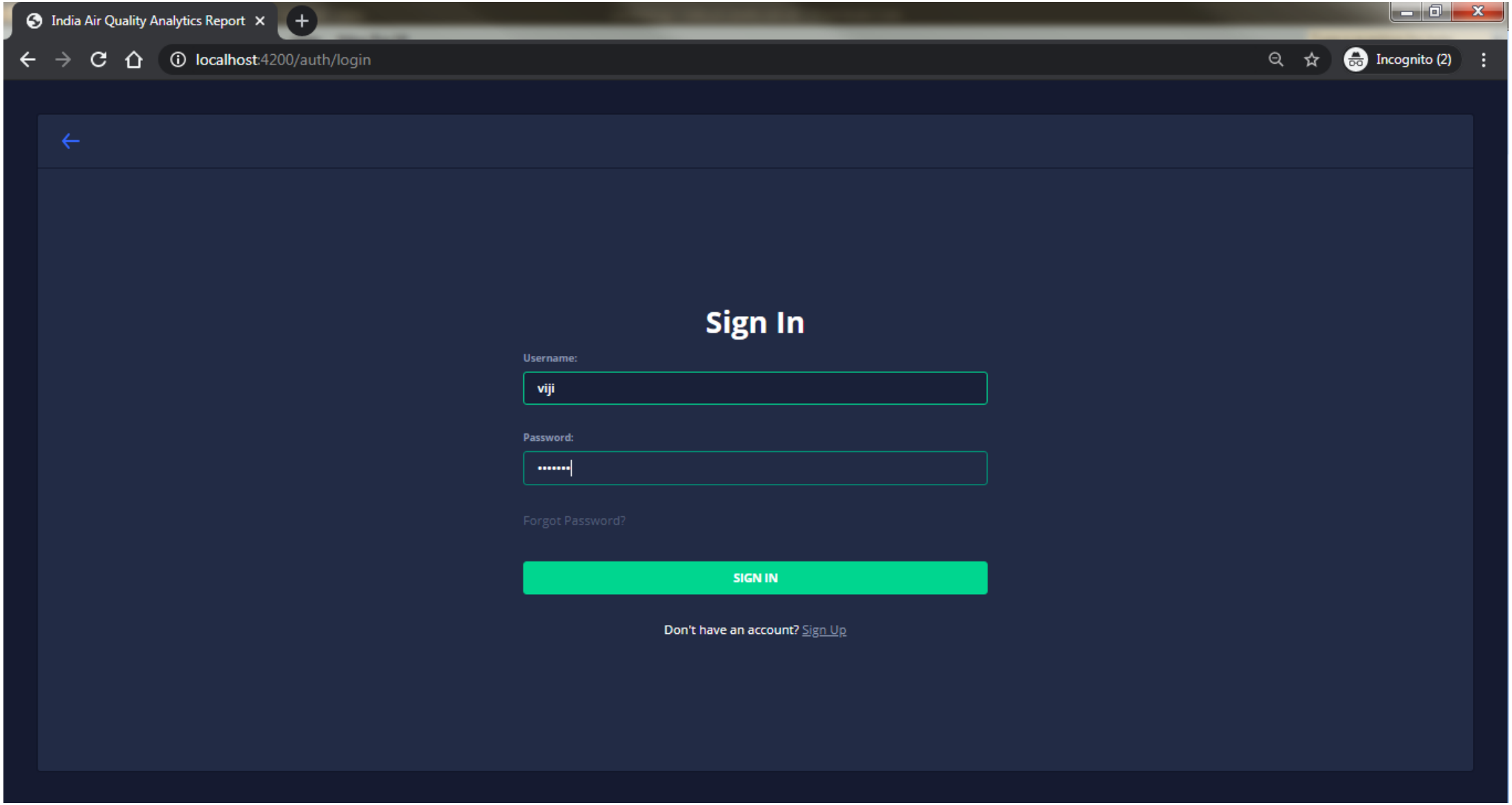


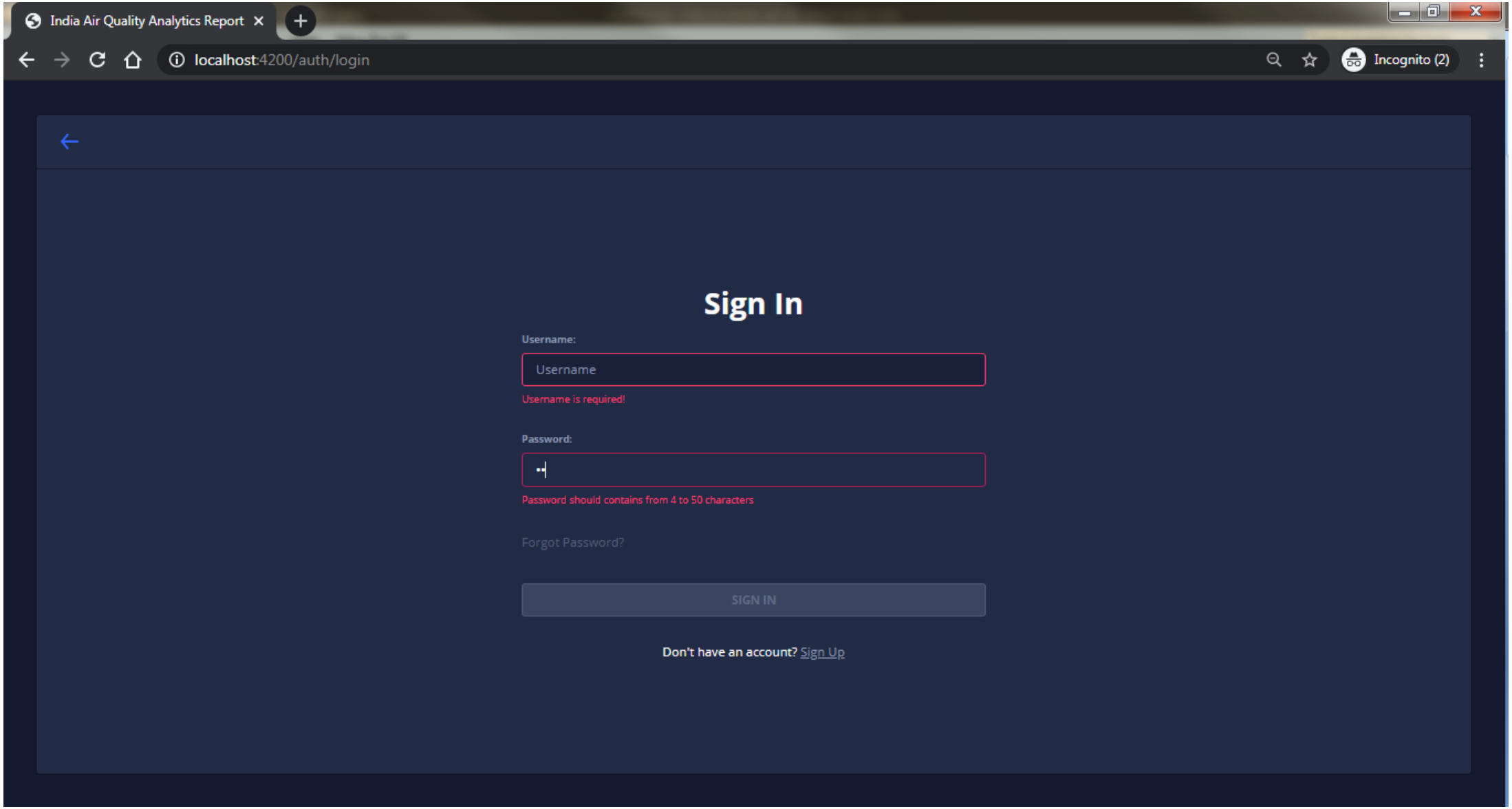
FORMS AND REPORTS

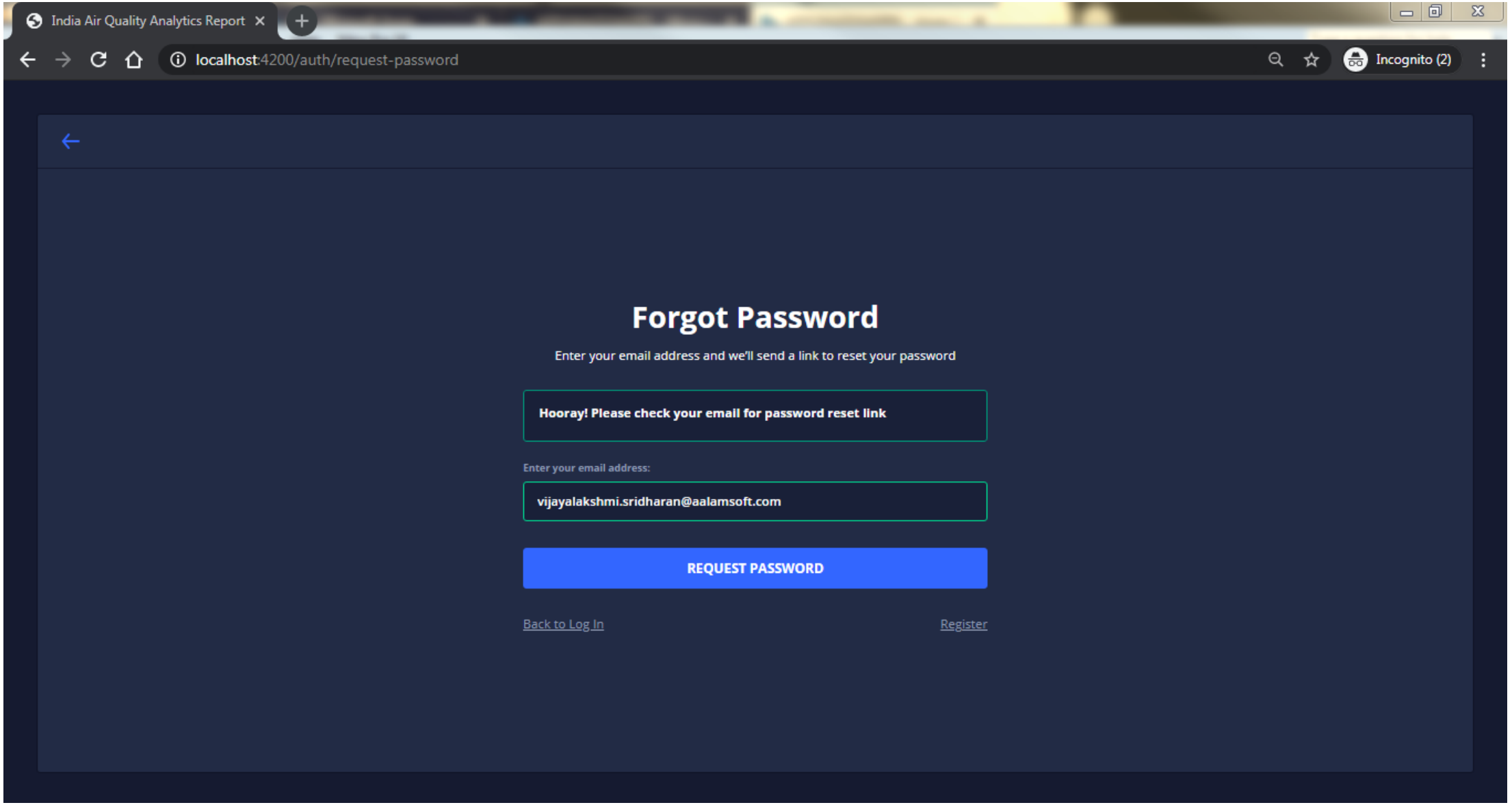

India Air Quality Analytics Report
localhost:4200/auth/register
Incognito (2)
Register
Full name:
Full name
Email address:
Email address
Password:
Password
Repeat password:
Confirm Password
Agree to Terms & Conditions
REGISTER
Already have an account? Log in


India Air Quality Analytics Report
localhost:4200/auth/register
Incognito (2)
Register
Hooray! You have registered successfully
Full name:
buvanesh
Email address:
buvanesh@gmail.com
Password:
Repeat password:
Agree to Terms & Conditions
REGISTER


India Air Quality Analytics Report
localhost:4200/auth/register
Incognito (2)
Register
Full name:
Vijayalakshmi
Email address:
Vijayalakshmi
Email should be the real one!
Password:
Password
Password is required!
Repeat password:
Confirm Password
Password confirmation is required!
Agree to Terms & Conditions
REGISTER


India Air Quality Analytics Report
localhost:4200/auth/login
Incognito (2)
Sign In
Username:
viji
Password:
Forgot Password?
SIGN IN
Don't have an account? Sign Up


India Air Quality Analytics Report
localhost:4200/auth/login
Incognito (2)
Sign In
Username:
Username
Username is required!
Password:
Password should contains from 4 to 50 characters
Forgot Password?
SIGN IN
Don't have an account? Sign Up


India Air Quality Analytics Report
localhost:4200/auth/request-password
Incognito (2)
Forgot Password
Enter your email address and we'll send a link to reset your password
Hooray! Please check your email for password reset link
Enter your email address:
vijayalakshmi.sridharan@aalamsoft.com
REQUEST PASSWORD
Back to Log In
Register

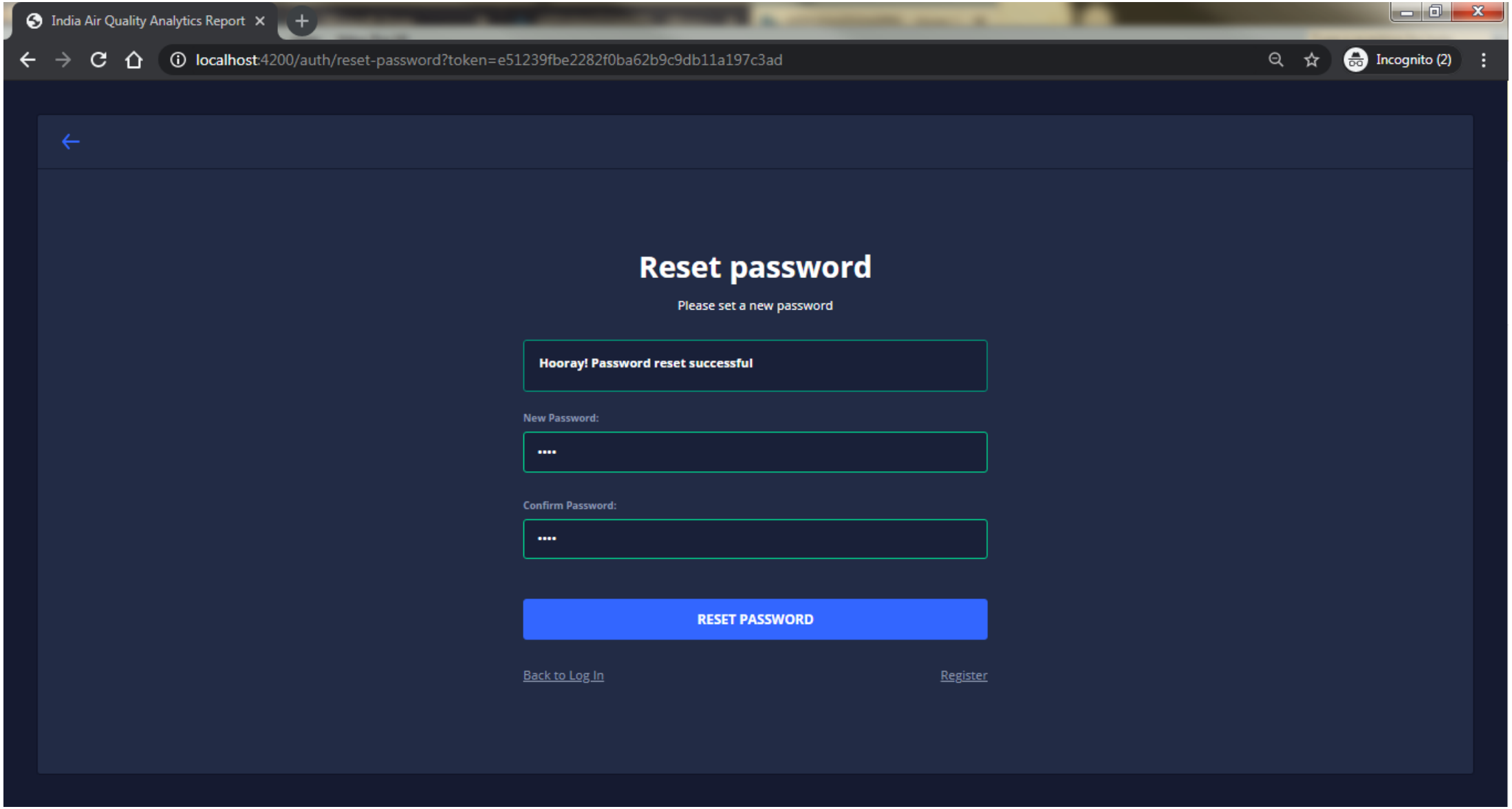
Password Reset for India Air Quality Analytics Report Portal

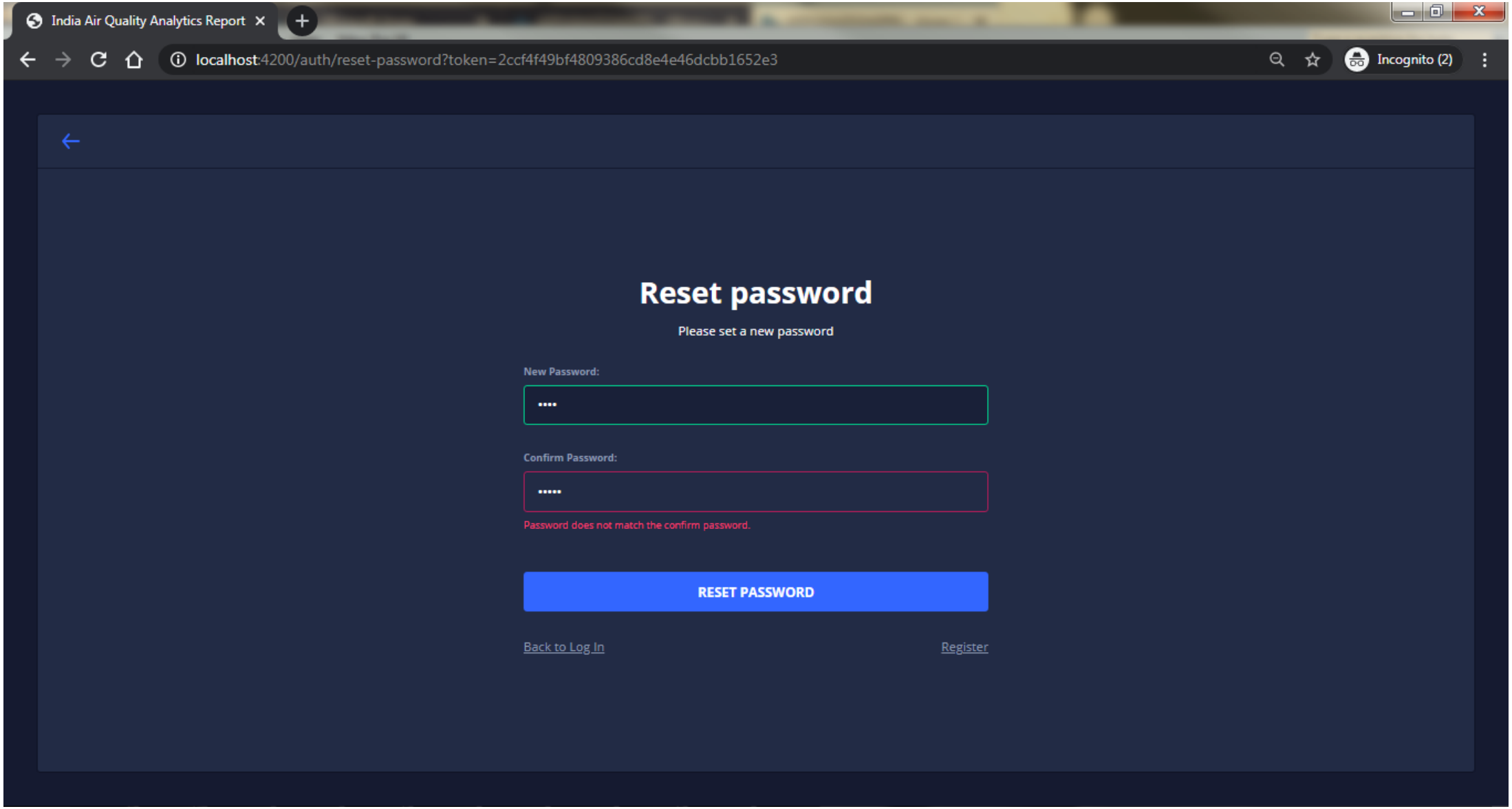
indiaairqualityanalytics@gmail.com

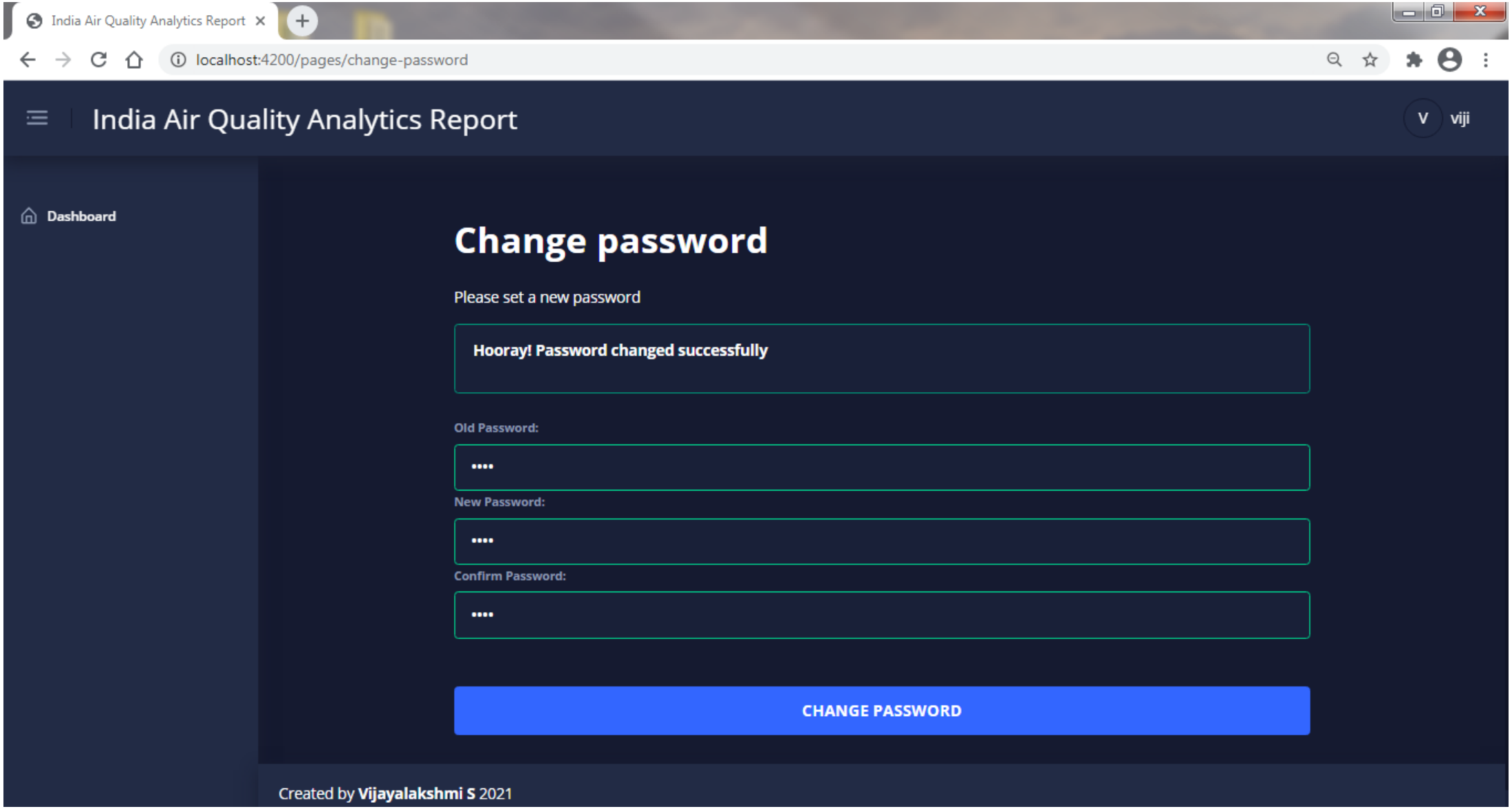
Sent: Wed 24-Feb-21 5:59 PM

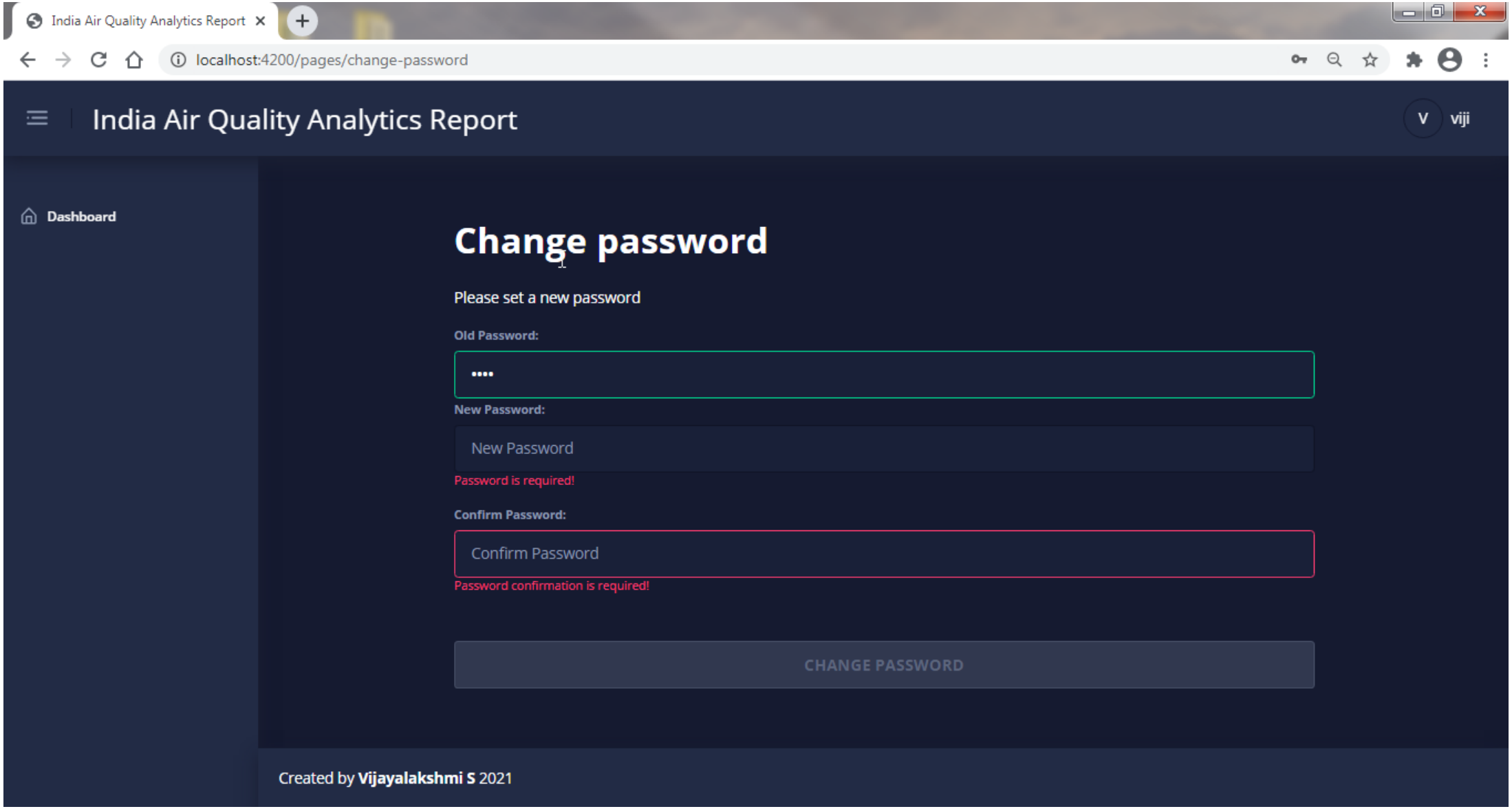
To: vijayalakshmi.sridharan@aalamsoft.com

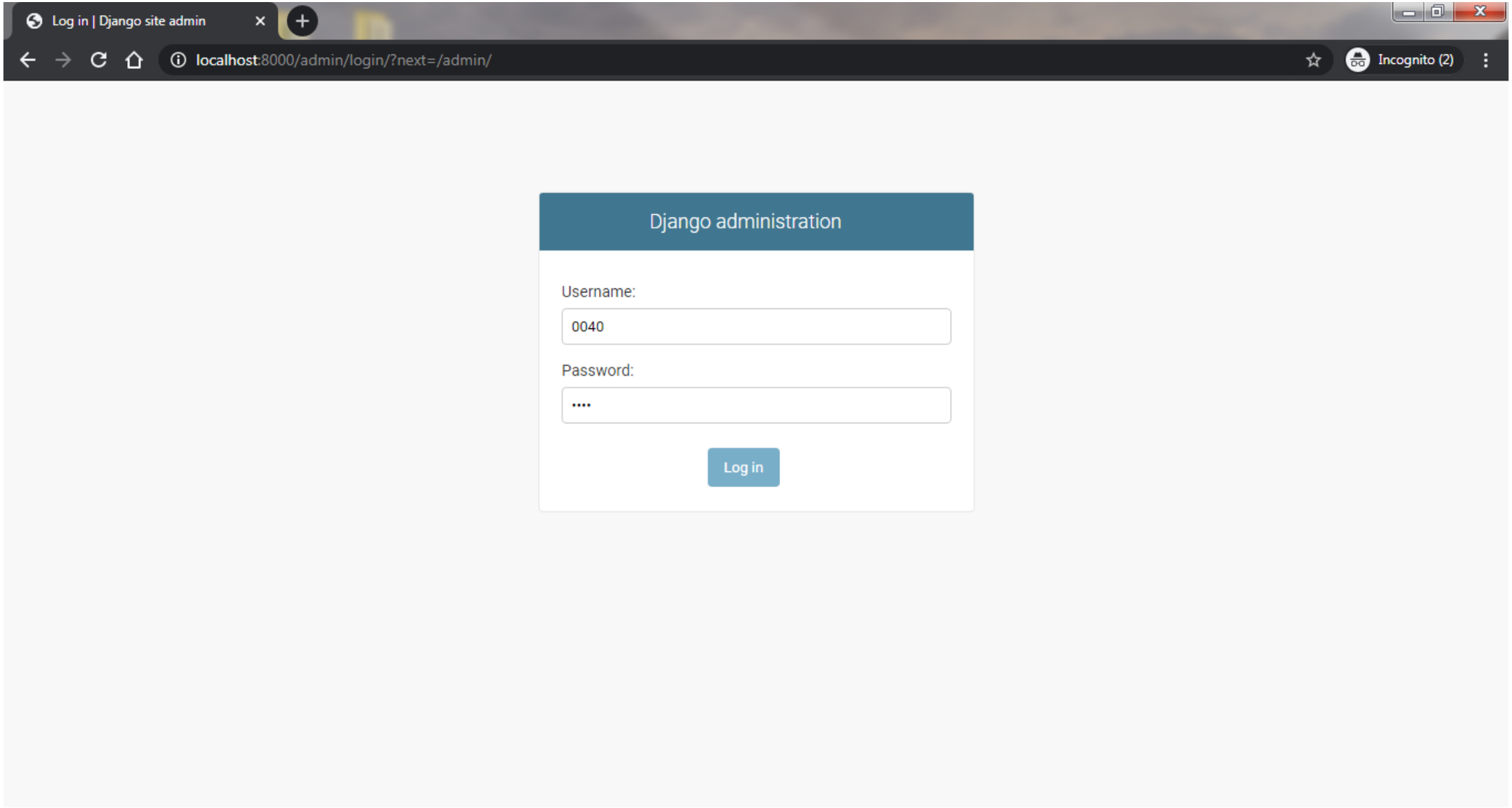
Please use the following link to reset your password - http://localhost:4200/auth/reset-password?token=e51239fbe2282f0ba62b9c9db11a197c3ad

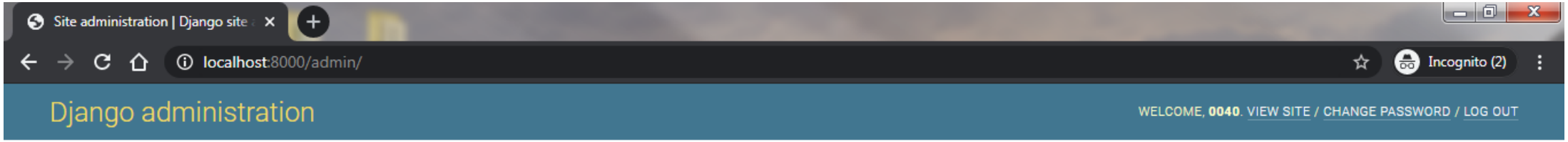

India Air Quality Analytics Report
localhost:4200/auth/reset-password?token=e51239fbe2282f0ba62b9c9db11a197c3ad
Incognito (2)
Reset password
Please set a new password
Hooray! Password reset successful
New Password:
Confirm Password:
RESET PASSWORD
Back to Log In
Register


India Air Quality Analytics Report
localhost:4200/auth/reset-password?token=2ccf4f49bf4809386cd8e4e46dcbb1652e3
Incognito (2)
Reset password
Please set a new password
New Password:
Confirm Password:
Password does not match the confirm password.
RESET PASSWORD
Back to Log In
Register


India Air Quality Analytics Report
localhost:4200/pages/change-password
India Air Quality Analytics Report
V
viji
Dashboard
Change password
Please set a new password
Hooray! Password changed successfully
Old Password:
New Password:
Confirm Password:
CHANGE PASSWORD
Created by Vijayalakshmi S 2021


India Air Quality Analytics Report
localhost:4200/pages/change-password
India Air Quality Analytics Report
V
viji
Dashboard
Change password
Please set a new password
Old Password:
New Password:
New Password
Password is required!
Confirm Password:
Confirm Password
Password confirmation is required!
CHANGE PASSWORD
Created by Vijayalakshmi S 2021


Log in | Django site admin
localhost:8000/admin/login/?next=/admin/
Incognito (2)
Django administration
Username:
0040
Password:
Log in



Site administration

AUTHENTICATION AND AUTHORIZATION		
Groups	+ Add	Change
Users	+ Add	Change

DJANGO_REST_PASSWORDRESET		
Password Reset Tokens	+ Add	Change

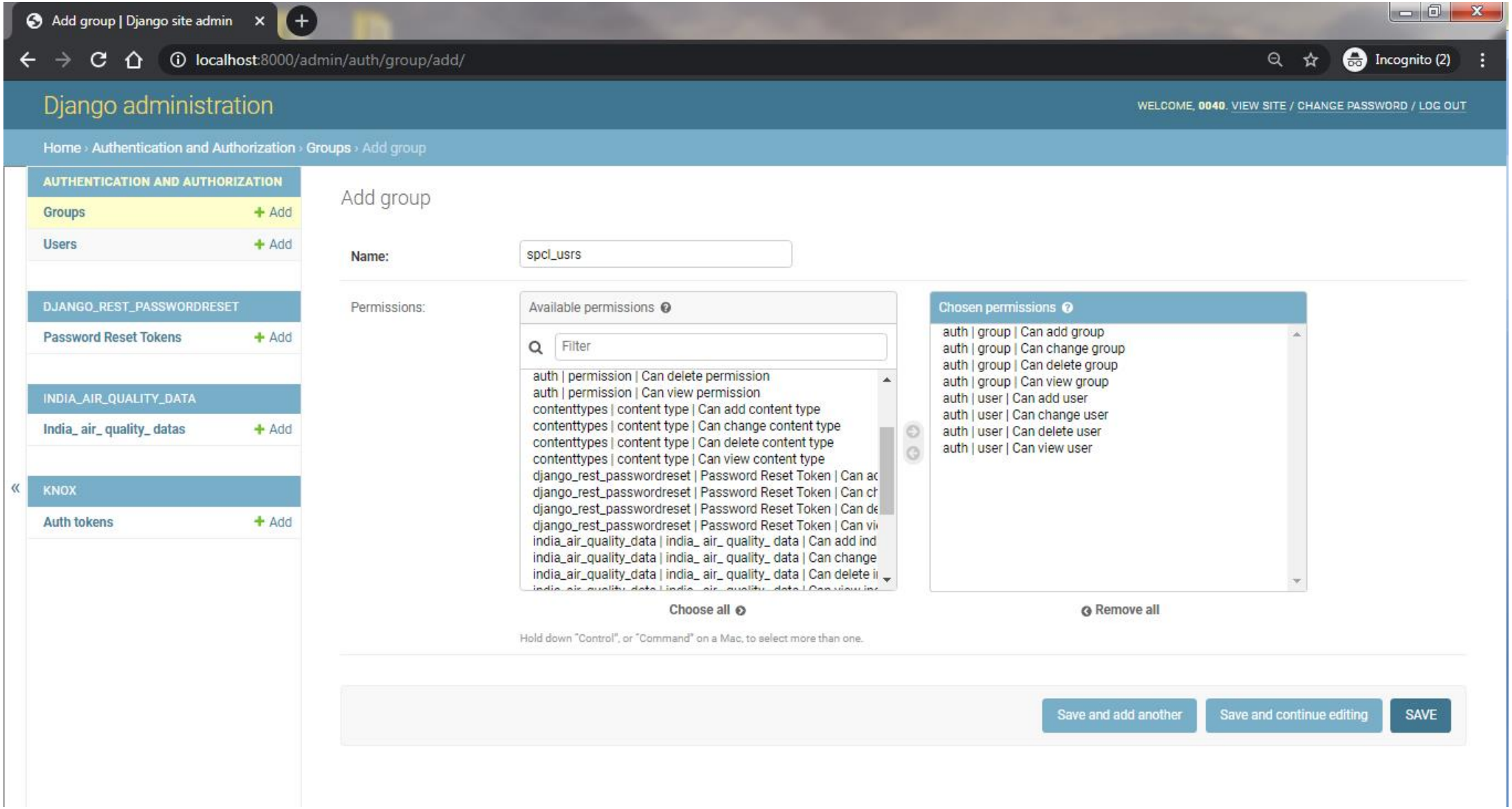
INDIA_AIR_QUALITY_DATA		
India_ air_ quality_ datas	+ Add	Change

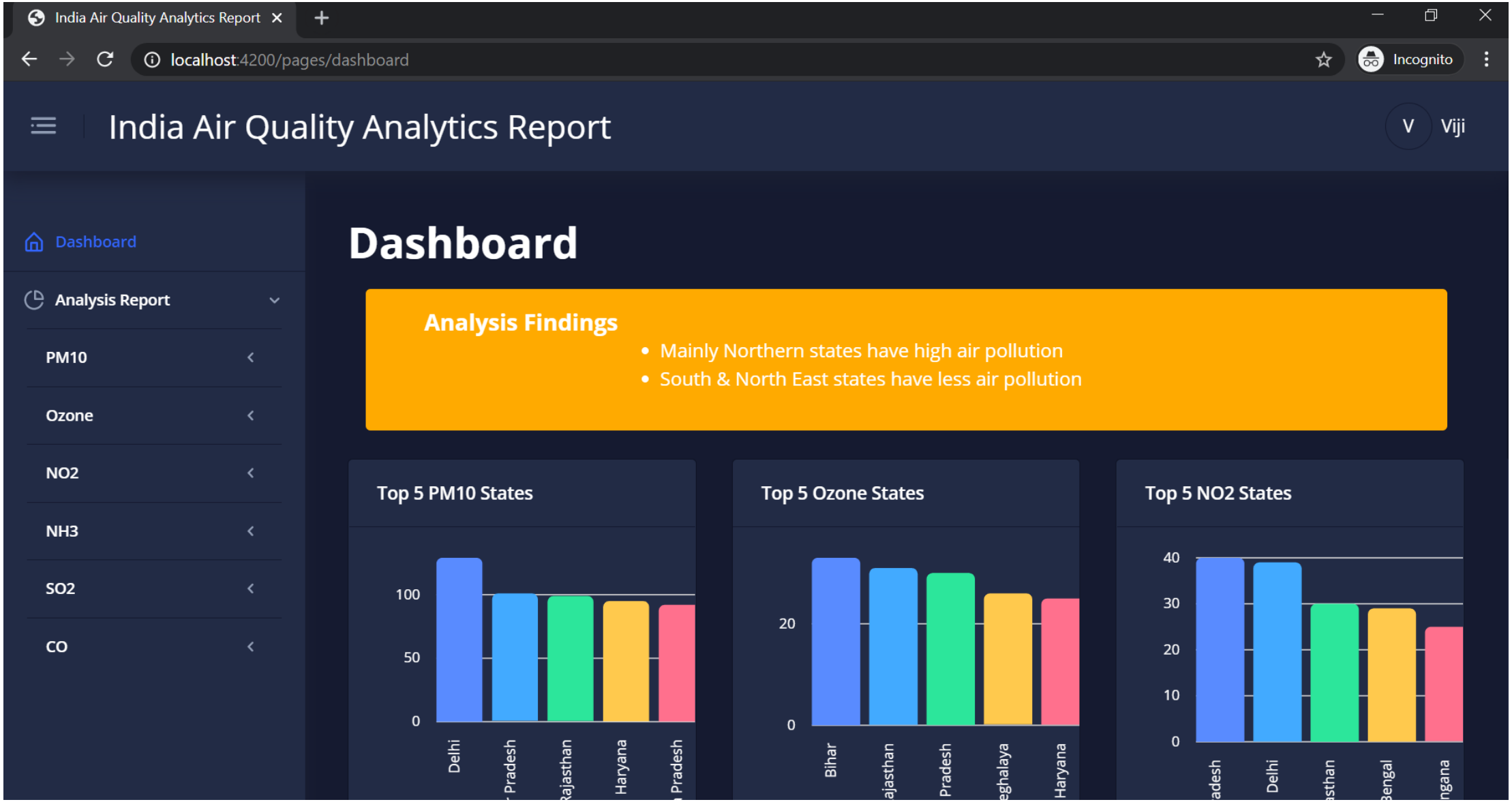
KNOX		
Auth tokens	+ Add	Change

Recent actions

My actions

None available


Add group | Django site admin
localhost:8000/admin/auth/group/add/
Incognito (2)
Django administration
WELCOME, 0040. VIEW SITE / CHANGE PASSWORD / LOG OUT
Home › Authentication and Authorization › Groups › Add group
AUTHENTICATION AND AUTHORIZATION
Groups + Add
Users + Add
DJANGO_REST_PASSWORDRESET
Password Reset Tokens + Add
INDIA_AIR_QUALITY_DATA
India_ air_ quality_ datas + Add
KNOX
Auth tokens + Add
Add group
Name:
spcl_usrs
Permissions:
Available permissions
Filter
auth | permission | Can delete permission
auth | permission | Can view permission
contenttypes | content type | Can add content type
contenttypes | content type | Can change content type
contenttypes | content type | Can delete content type
contenttypes | content type | Can view content type
django_rest_passwordreset | Password Reset Token | Can ac
django_rest_passwordreset | Password Reset Token | Can ch
django_rest_passwordreset | Password Reset Token | Can de
django_rest_passwordreset | Password Reset Token | Can vi
india_air_quality_data | india_ air_ quality_ data | Can add ind
india_air_quality_data | india_ air_ quality_ data | Can change
india_air_quality_data | india_ air_ quality_ data | Can delete i
Chosen permissions
auth | group | Can add group
auth | group | Can change group
auth | group | Can delete group
auth | group | Can view group
auth | user | Can add user
auth | user | Can change user
auth | user | Can delete user
auth | user | Can view user
Choose all
Remove all
Hold down "Control", or "Command" on a Mac, to select more than one.
Save and add another
Save and continue editing
SAVE


India Air Quality Analytics Report
localhost:4200/pages/dashboard
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
SO2
CO
Dashboard
Analysis Findings
Mainly Northern states have high air pollution
South & North East states have less air pollution
Top 5 PM10 States
100
50
0
Delhi
Haryana
Top 5 Ozone States
20
0
Bihar
Pradesh
Haryana
Top 5 NO2 States
40
30
20
10
0
Delhi
Bengal

India Air Quality Analytics Report

localhost:4200/pages/dashboard

Incognito

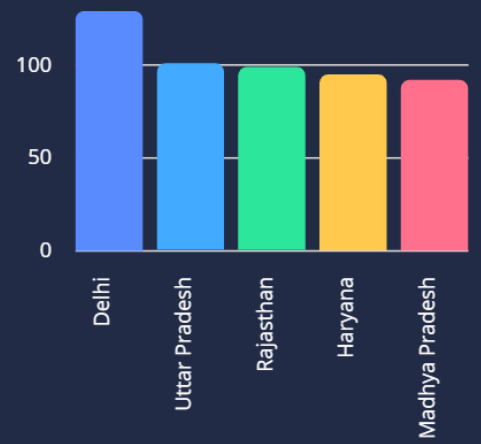
India Air Quality Analytics Report

V Viji

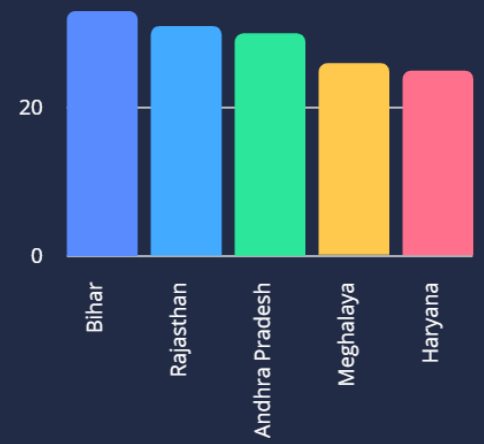
Analysis Findings

- Mainly Northern states have high air pollution
- South & North East states have less air pollution

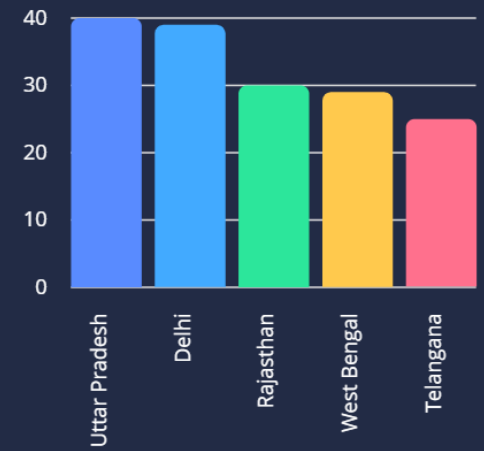
Top 5 PM10 States



Top 5 Ozone States



Top 5 NO2 States



India Air Quality Analytics Report

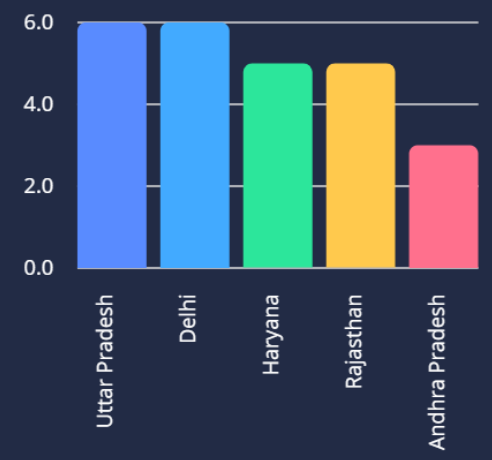
localhost:4200/pages/dashboard

Incognito

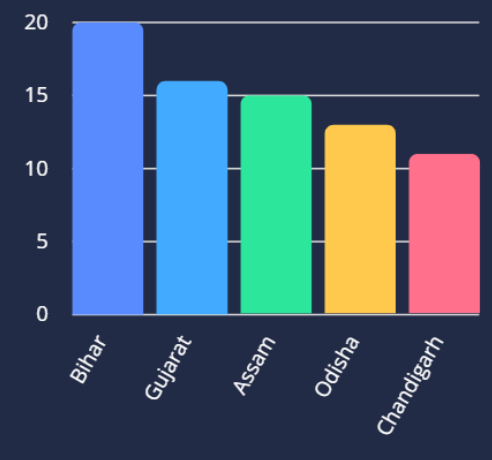
India Air Quality Analytics Report

V Viji

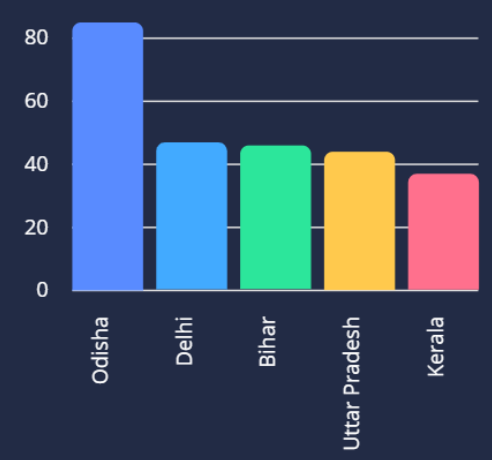
Top 5 NH3 States



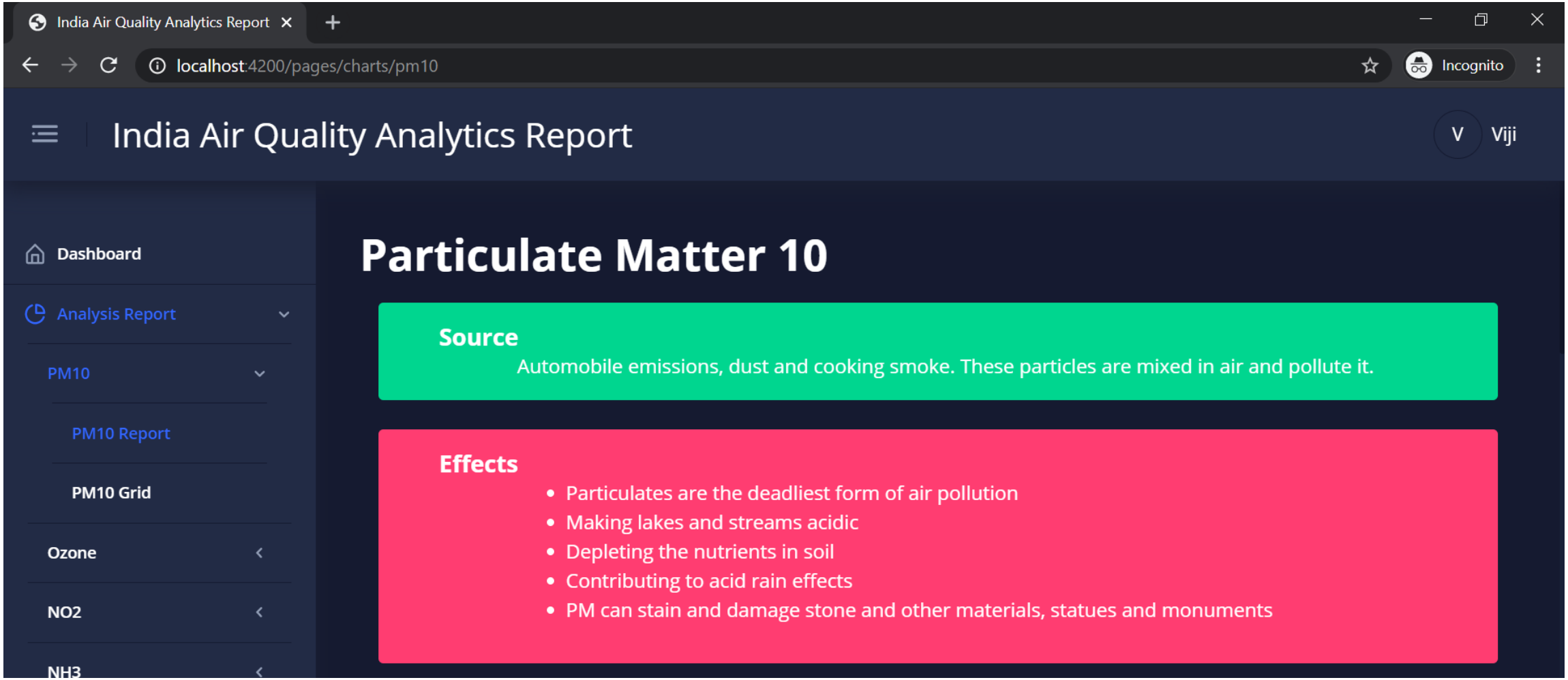
Top 5 SO2 States

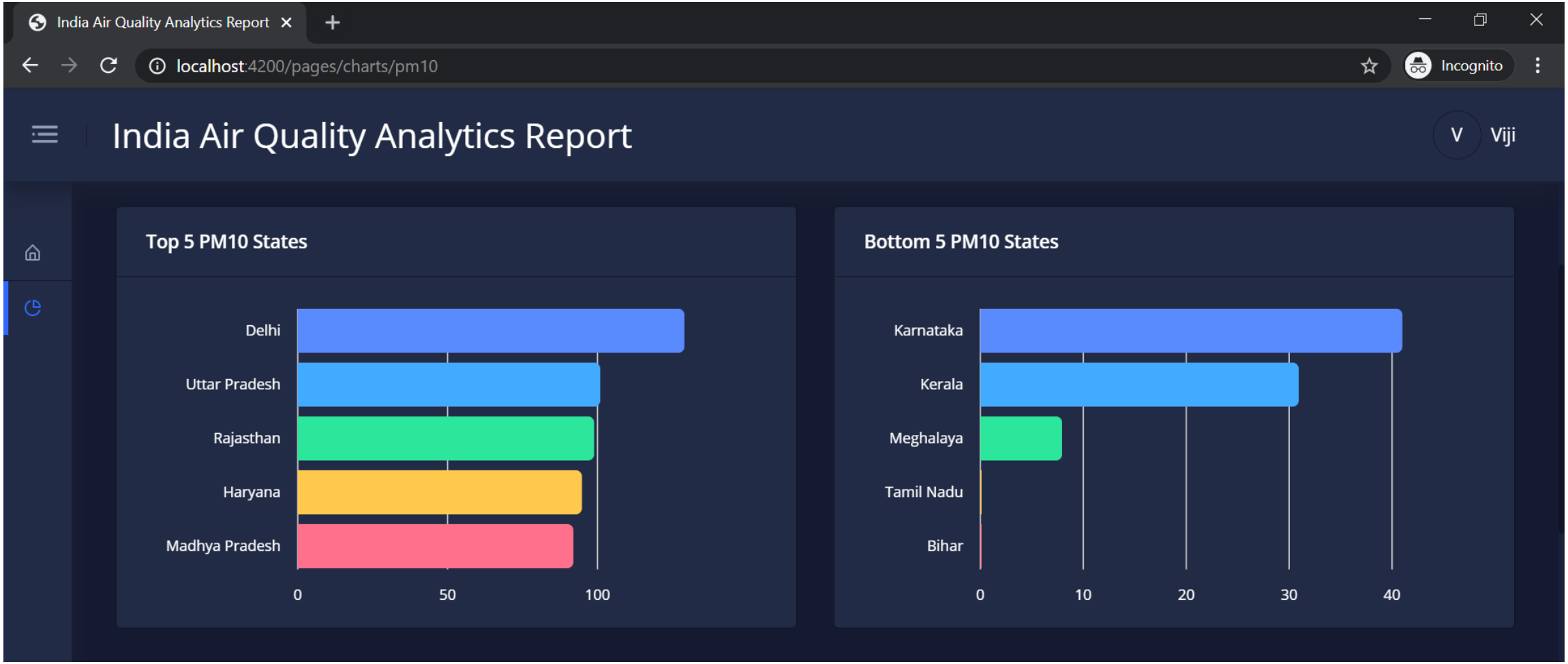


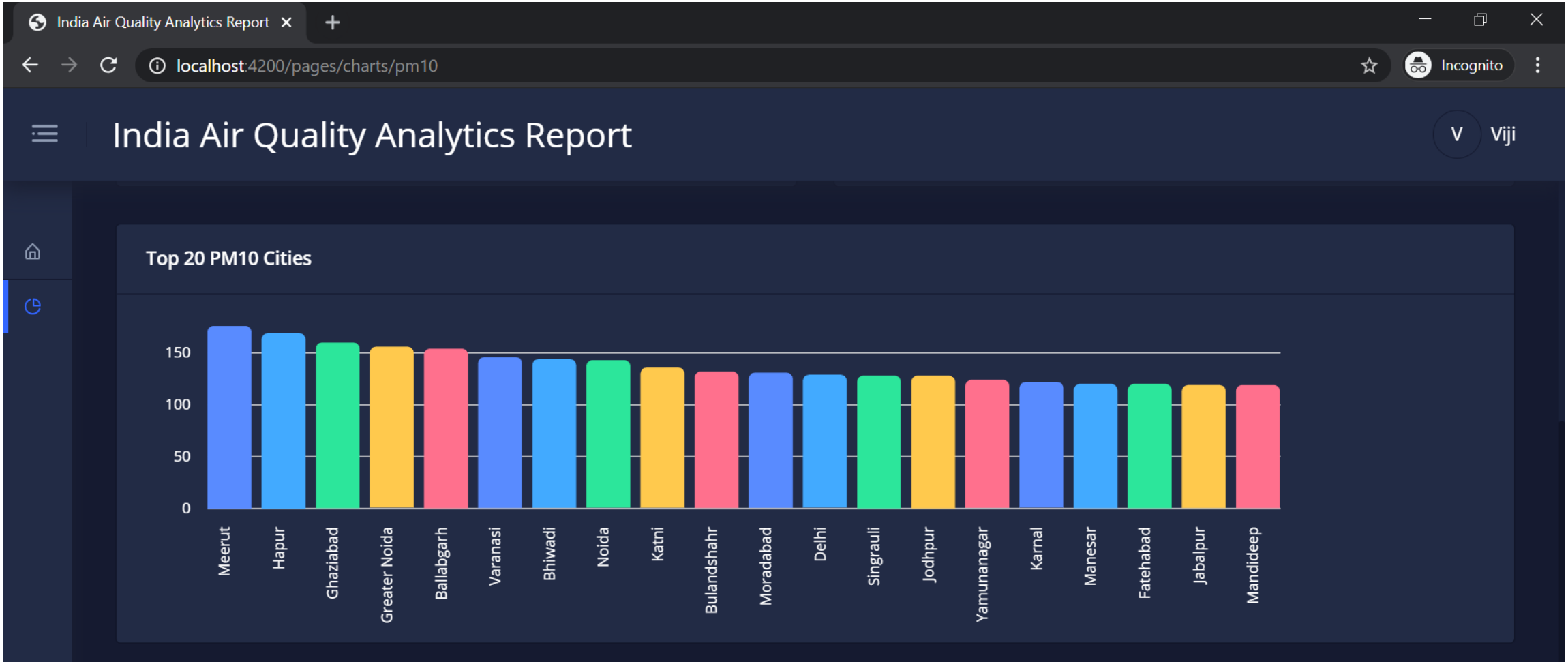
Top 5 CO States

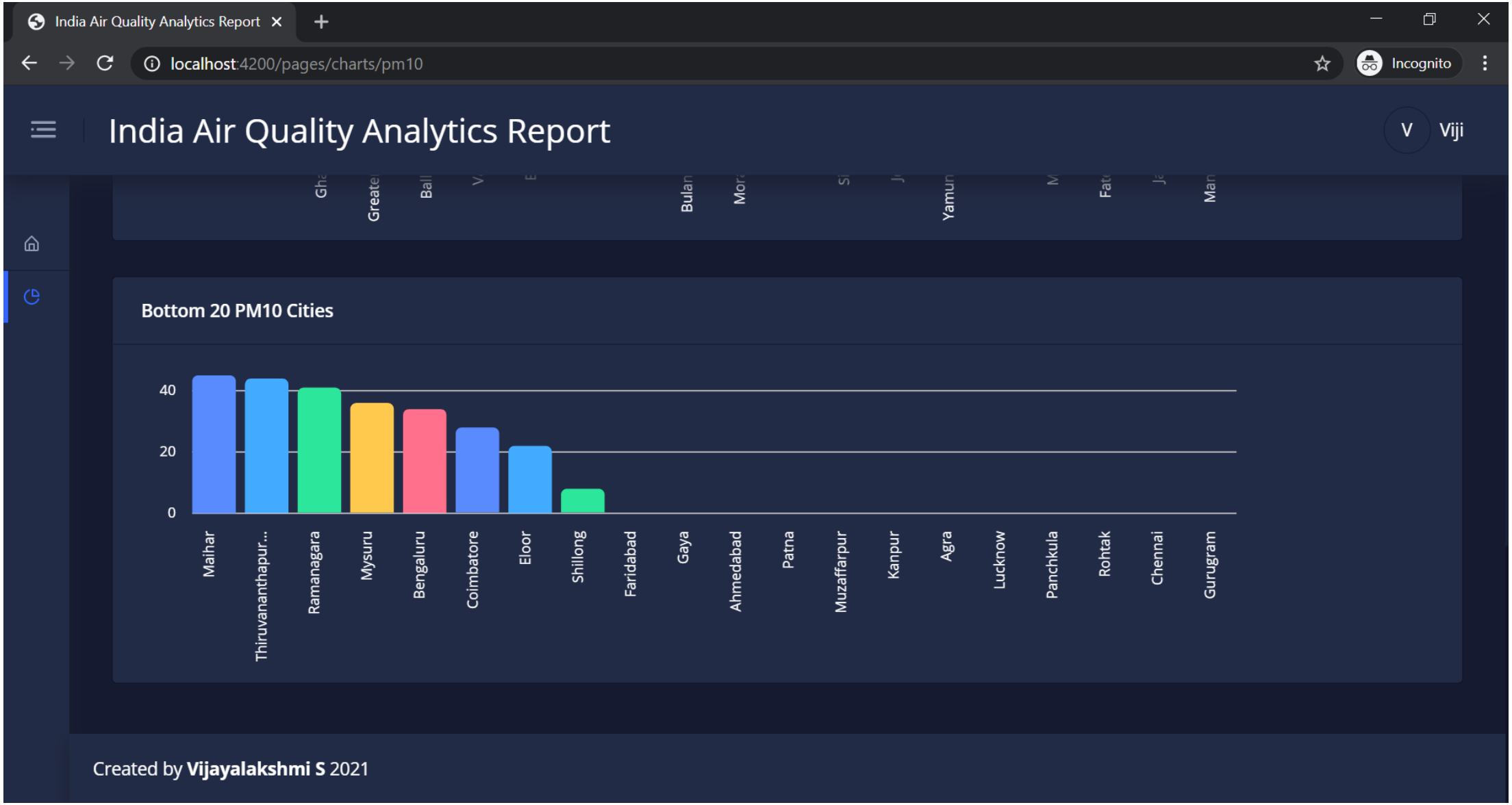


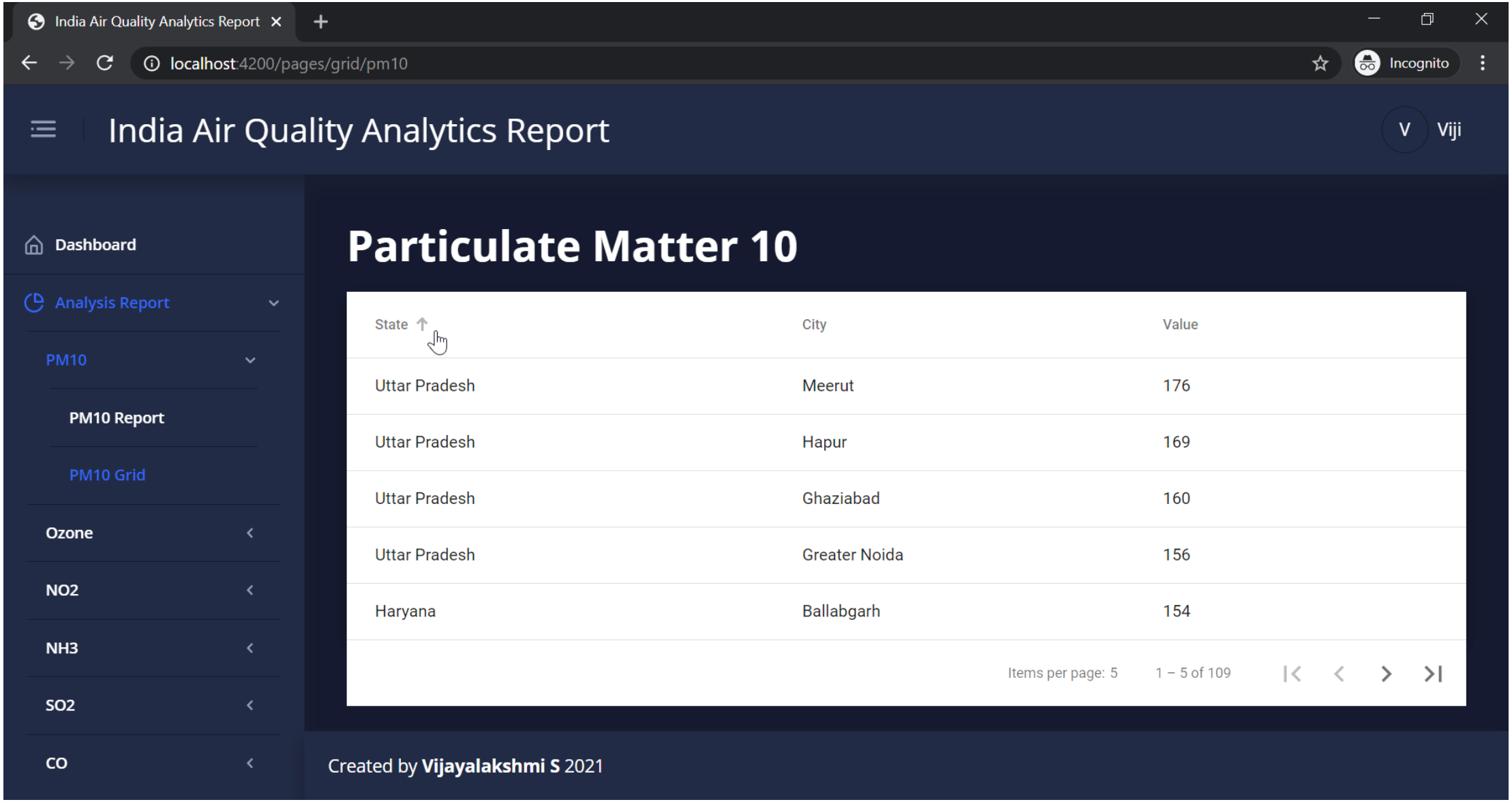
Created by **Vijayalakshmi S** 2021

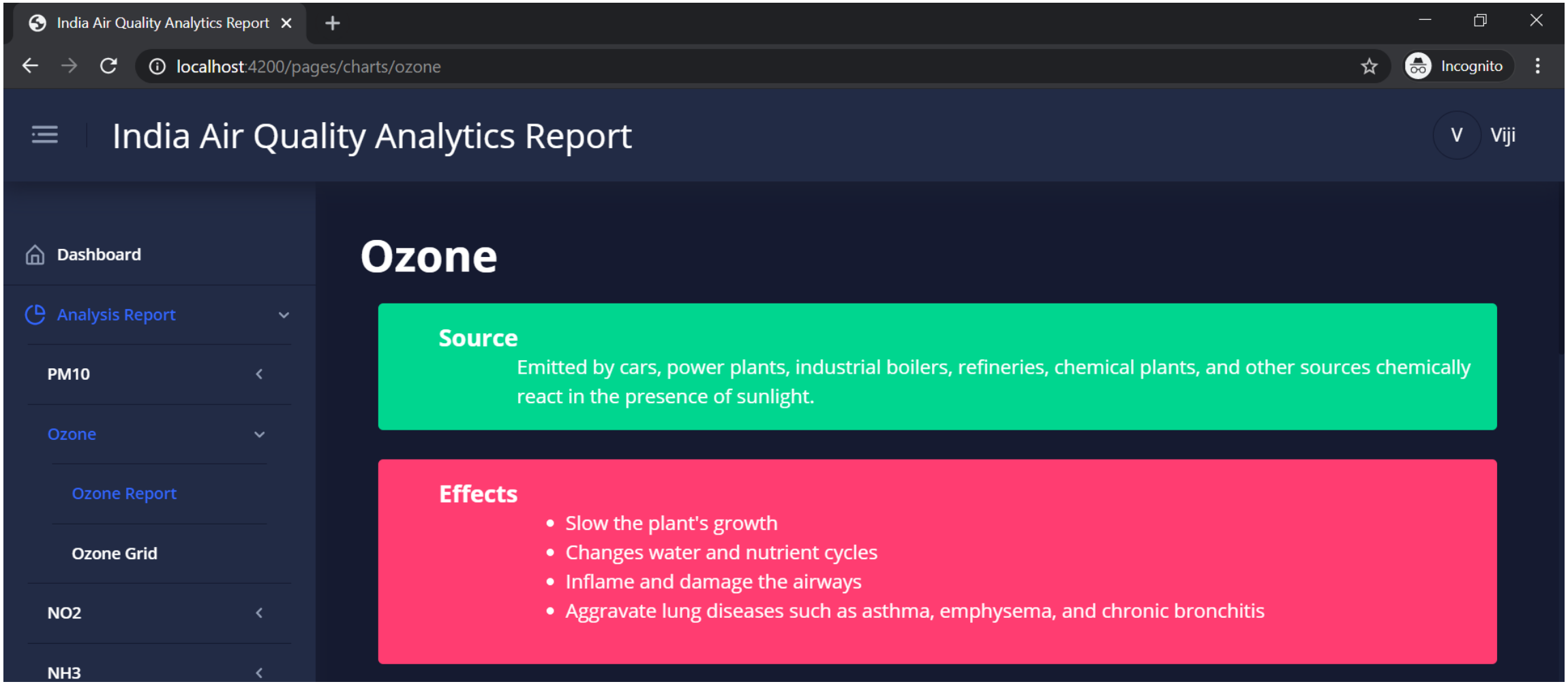

India Air Quality Analytics Report
localhost:4200/pages/charts/pm10
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
PM10 Report
PM10 Grid
Ozone
NO2
NH3
Particulate Matter 10
Source
Automobile emissions, dust and cooking smoke. These particles are mixed in air and pollute it.
Effects
Particulates are the deadliest form of air pollution
Making lakes and streams acidic
Depleting the nutrients in soil
Contributing to acid rain effects
PM can stain and damage stone and other materials, statues and monuments


India Air Quality Analytics Report
localhost:4200/pages/charts/pm10
Incognito
India Air Quality Analytics Report
V
Viji
Top 5 PM10 States
Delhi
Uttar Pradesh
Rajasthan
Haryana
Madhya Pradesh
0
50
100
Bottom 5 PM10 States
Karnataka
Kerala
Meghalaya
Tamil Nadu
Bihar
0
10
20
30
40


India Air Quality Analytics Report
localhost:4200/pages/charts/pm10
Incognito
India Air Quality Analytics Report
V
Viji
Top 20 PM10 Cities
150
100
50
0
Meerut
Hapur
Ghaziabad
Greater Noida
Ballabgarh
Varanasi
Bhiwadi
Noida
Katni
Bulandshahr
Moradabad
Delhi
Singrauli
Jodhpur
Yamunanagar
Karnal
Manesar
Fatehabad
Jabalpur
Mandideep


India Air Quality Analytics Report
localhost:4200/pages/charts/pm10
Incognito
India Air Quality Analytics Report
V
Viji
Bottom 20 PM10 Cities
40
20
0
Maihar
Thiruvananthapur...
Ramanagara
Mysuru
Bengaluru
Coimbatore
Eloor
Shillong
Faridabad
Gaya
Ahmedabad
Patna
Muzaffarpur
Kanpur
Agra
Lucknow
Panchkula
Rohtak
Chennai
Gurugram
Created by Vijayalakshmi S 2021


India Air Quality Analytics Report
localhost:4200/pages/grid/pm10
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
PM10 Report
PM10 Grid
Ozone
NO2
NH3
SO2
CO
Particulate Matter 10
State
City
Value
Uttar Pradesh
Meerut
176
Uttar Pradesh
Hapur
169
Uttar Pradesh
Ghaziabad
160
Uttar Pradesh
Greater Noida
156
Haryana
Ballabgarh
154
Items per page: 5
1 – 5 of 109
Created by Vijayalakshmi S 2021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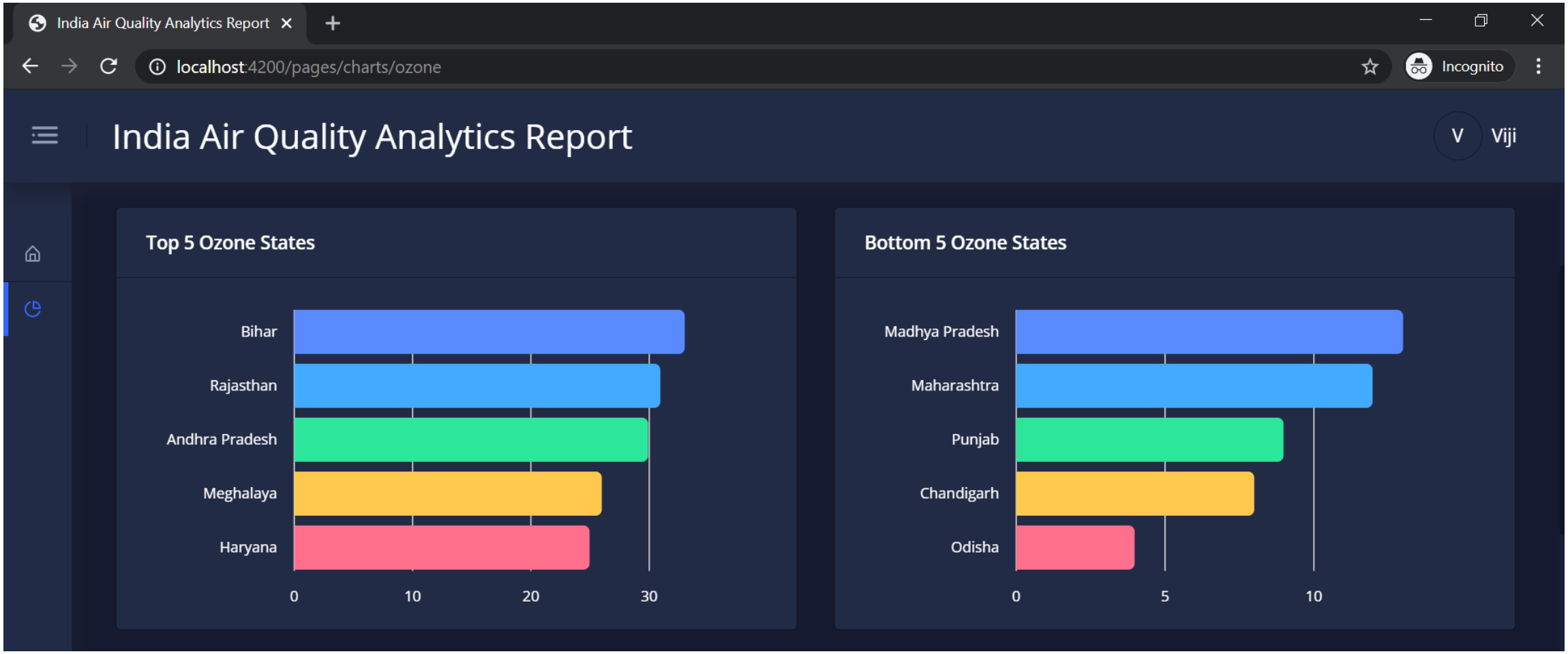
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
Ozone Report
Ozone Grid
NO2
NH3
Ozone
Source
Emitted by cars, power plants, industrial boilers, refineries, chemical plants, and other sources chemically react in the presence of sunlight.
Effects
Slow the plant's growth
Changes water and nutrient cycles
Inflame and damage the airways
Aggravate lung diseases such as asthma, emphysema, and chronic bronchitis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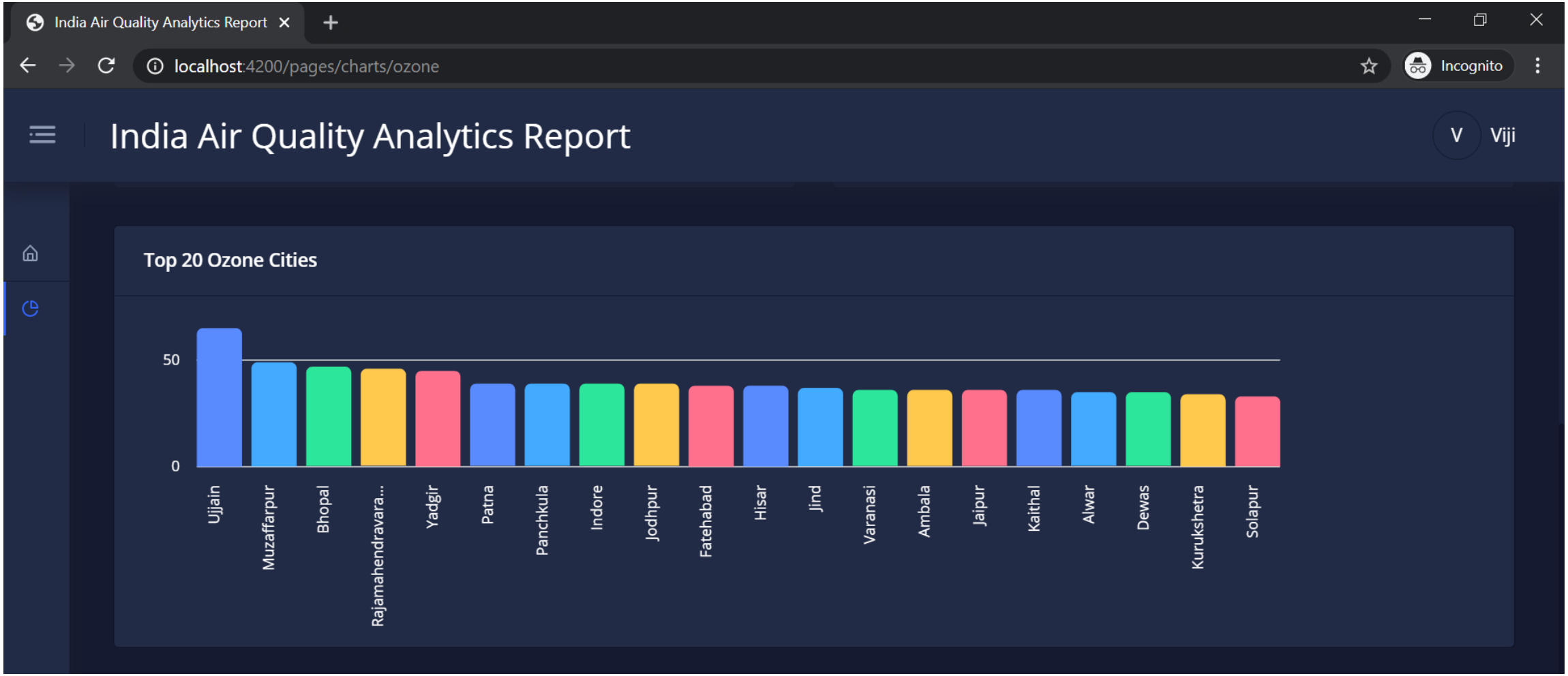
V
Viji
Top 5 Ozone States
Bihar
Rajasthan
Andhra Pradesh
Meghalaya
Haryana
0
10
20
30
Bottom 5 Ozone States
Madhya Pradesh
Maharashtra
Punjab
Chandigarh
Odisha
0
5
10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Viji
Top 20 Ozone Cities
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Bhopal
Rajamahendravara...
Yadgir
Patna
Panchkula
Indore
Jodhpur
Fatehabad
Hisar
Jind
Varanasi
Ambala
Jaipur
Kaithal
Alwar
Dewas
Kurukshetra
Solapur

India Air Quality Analytics Report

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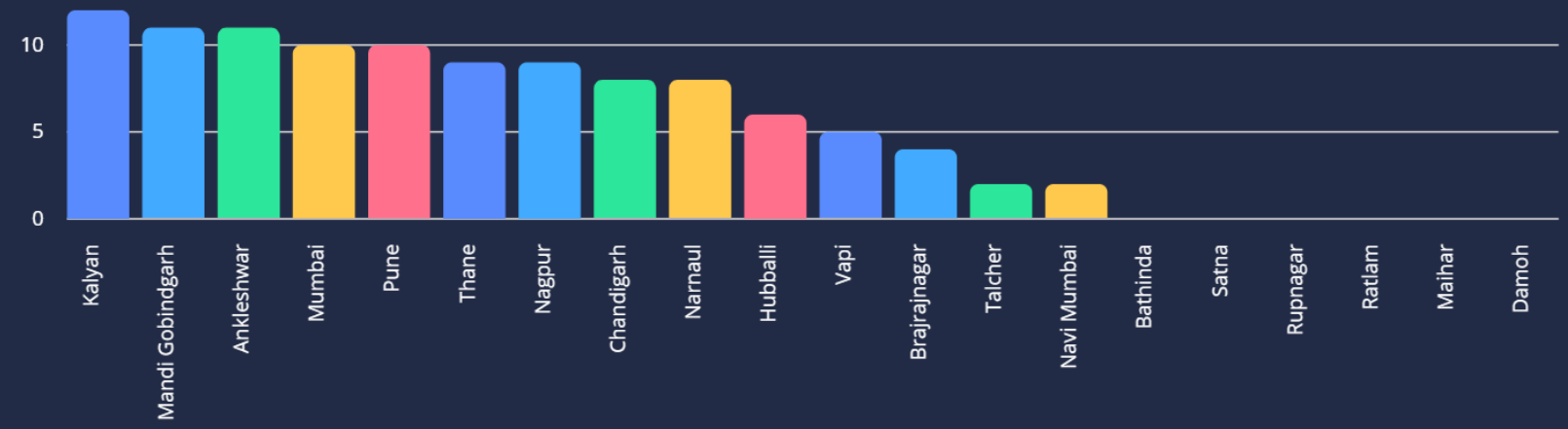
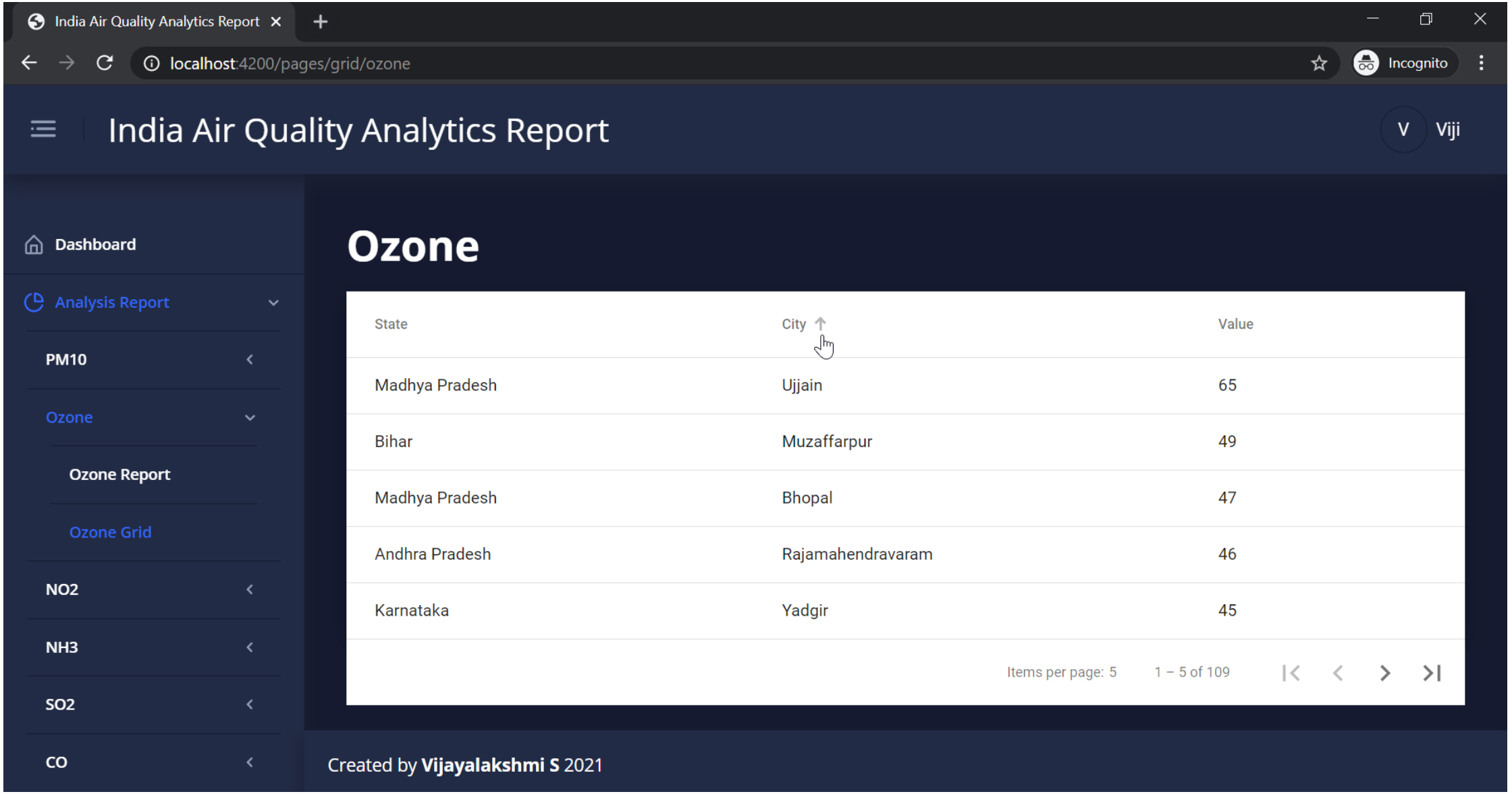
India Air Quality Analytics Report

V Viji

Rajama

Bottom 20 Ozone Cities

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Viji
Dashboard
Analysis Report
PM10
Ozone
Ozone Report
Ozone Grid
NO2
NH3
SO2
CO
Ozone
State
City
Value
Madhya Pradesh
Ujjain
65
Bihar
Muzaffarpur
49
Madhya Pradesh
Bhopal
47
Andhra Pradesh
Rajamahendravaram
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Karnataka
Yadgir
45
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1 – 5 of 109
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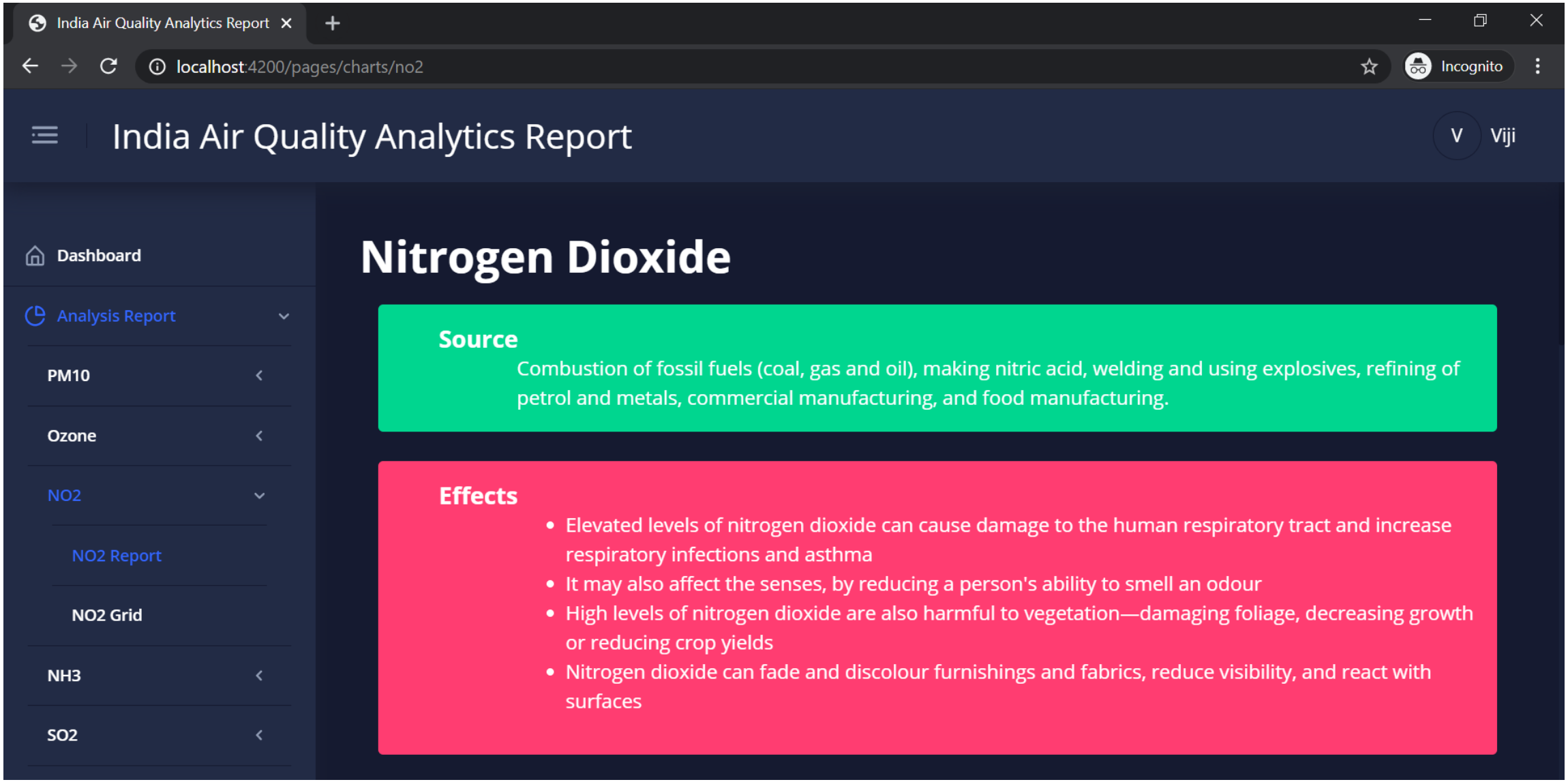
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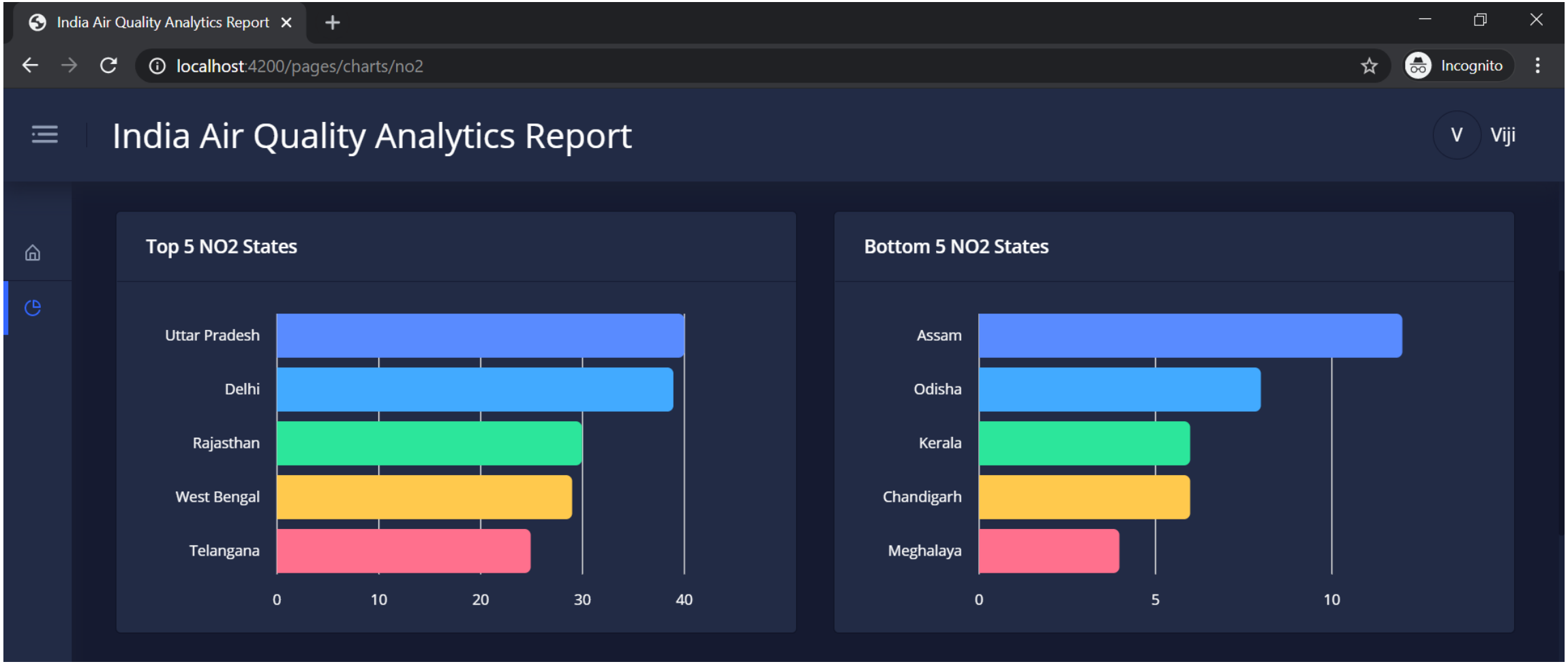
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NO2 Report
NO2 Grid
NH3
SO2
Nitrogen Dioxide
Source
Combustion of fossil fuels (coal, gas and oil), making nitric acid, welding and using explosives, refining of petrol and metals, commercial manufacturing, and food manufacturing.
Effects
Elevated levels of nitrogen dioxide can cause damage to the human respiratory tract and increase respiratory infections and asthma
It may also affect the senses, by reducing a person's ability to smell an odour
High levels of nitrogen dioxide are also harmful to vegetation—damaging foliage, decreasing growth or reducing crop yields
Nitrogen dioxide can fade and discolour furnishings and fabrics, reduce visibility, and react with surfaces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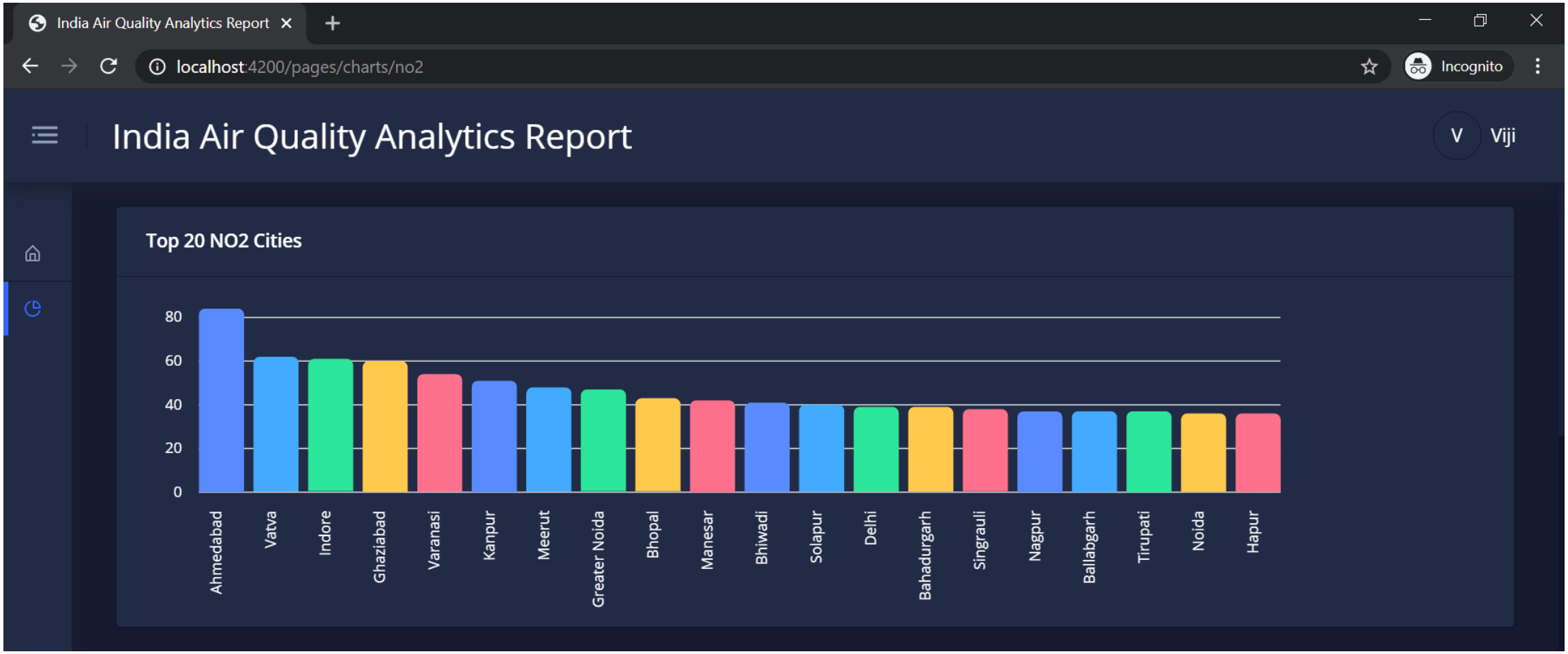
India Air Quality Analytics Report
V
Viji
Top 5 NO2 States
Uttar Pradesh
Delhi
Rajasthan
West Bengal
Telangana
0
10
20
30
40
Bottom 5 NO2 States
Assam
Odisha
Kerala
Chandigarh
Meghalaya
0
5
10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India Air Quality Analytics Report
V
Viji
Top 20 NO2 Cities
80
60
40
20
0
Ahmedabad
Vatva
Indore
Ghaziabad
Varanasi
Kanpur
Meerut
Greater Noida
Bhopal
Manesar
Bhiwadi
Solapur
Delhi
Bahadurgarh
Singrauli
Nagpur
Ballabgarh
Tirupati
Noida
Hapur

India Air Quality Analytics Report

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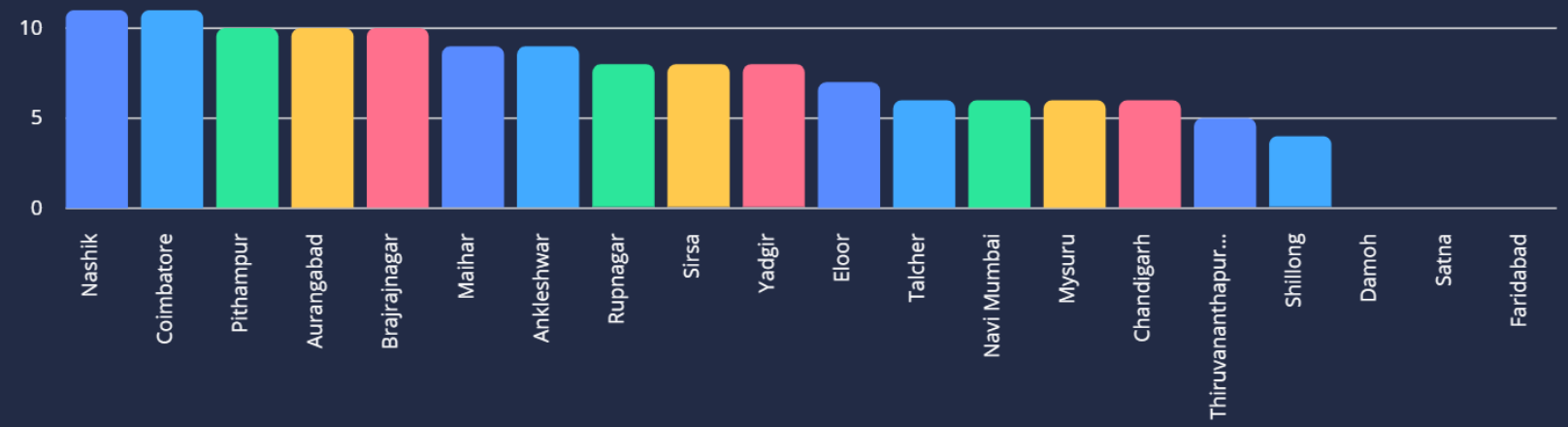
Incognito

India Air Quality Analytics Report

V Viji

Bottom 20 NO2 Cities



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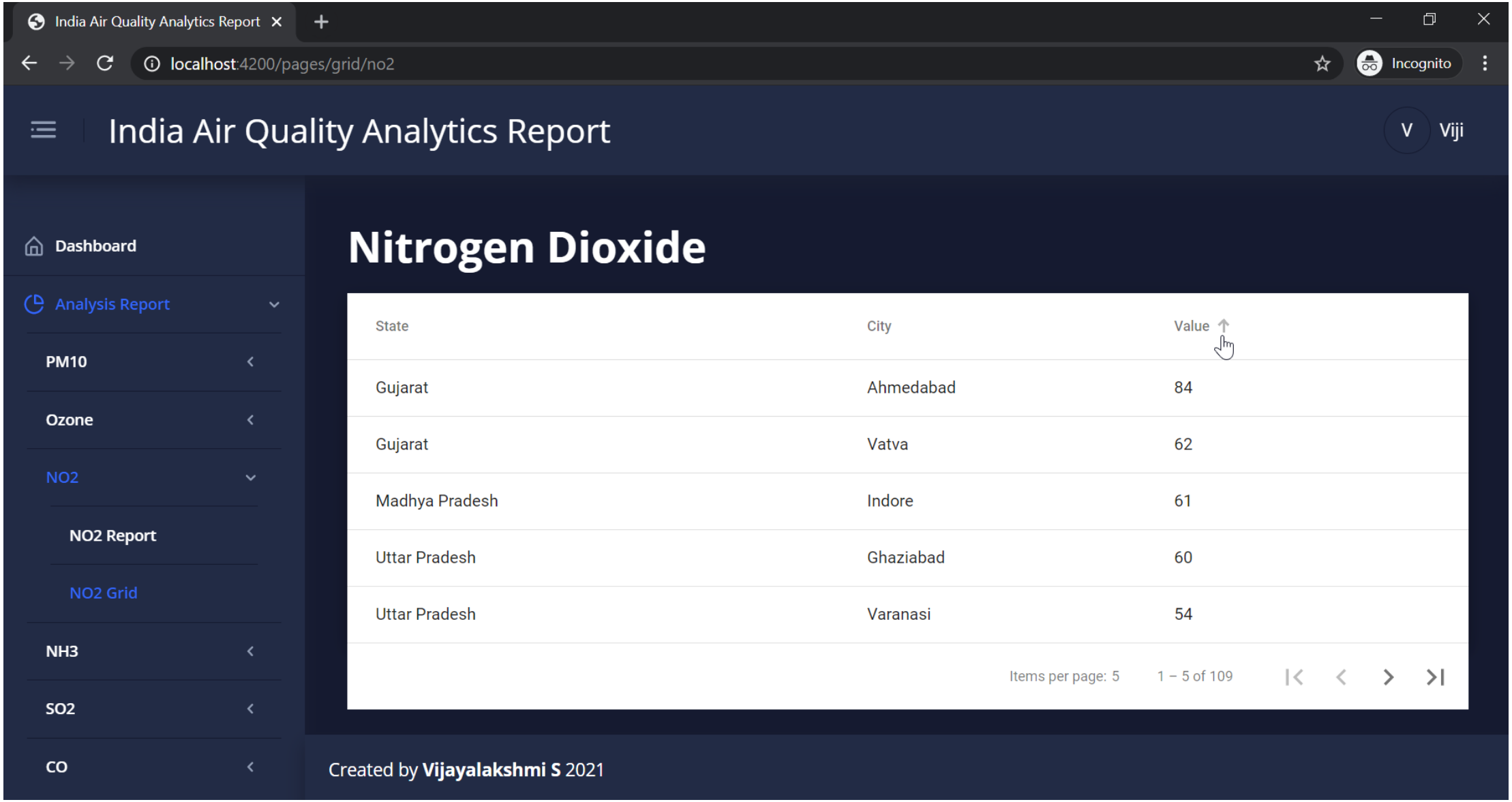
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V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NO2 Report
NO2 Grid
NH3
SO2
CO
Nitrogen Dioxide
State
City
Value
Gujarat
Ahmedabad
84
Gujarat
Vatva
62
Madhya Pradesh
Indore
61
Uttar Pradesh
Ghaziabad
60
Uttar Pradesh
Varanasi
54
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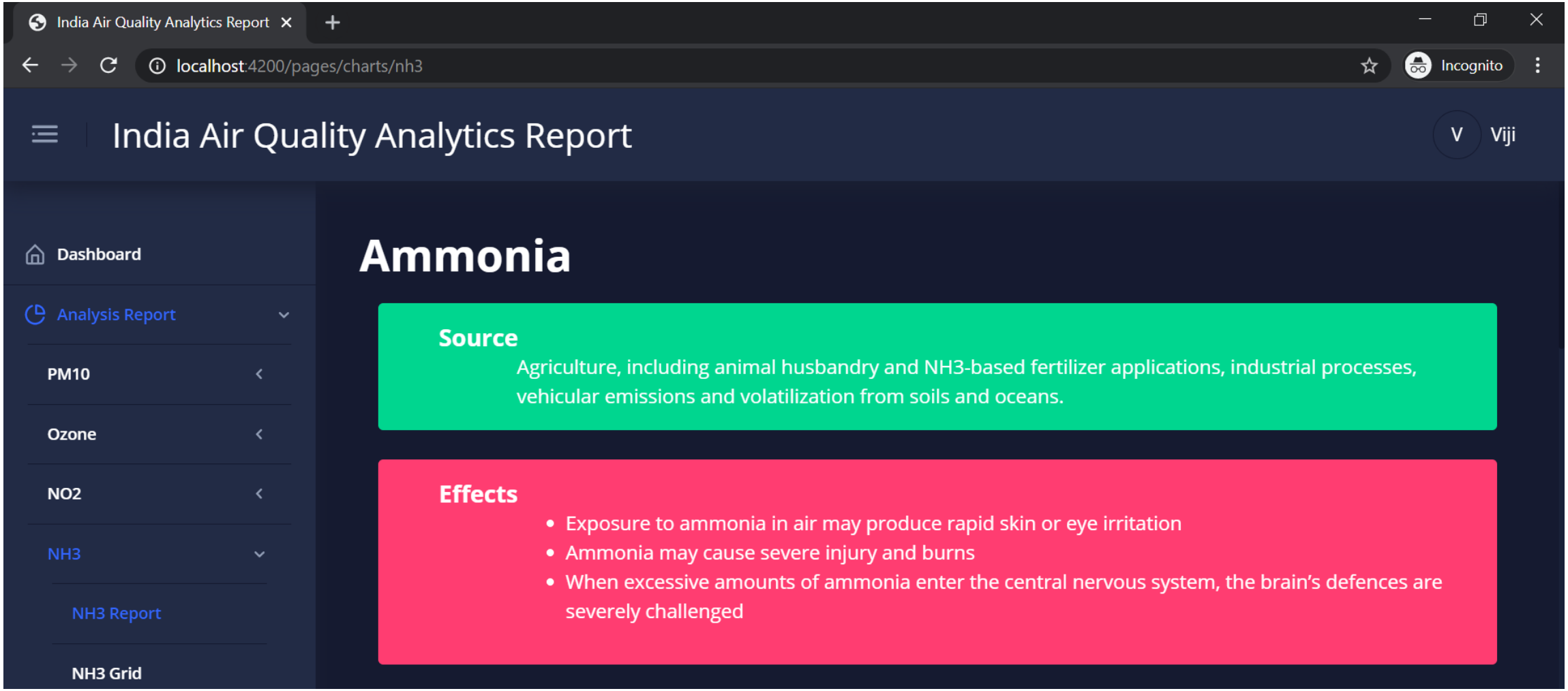
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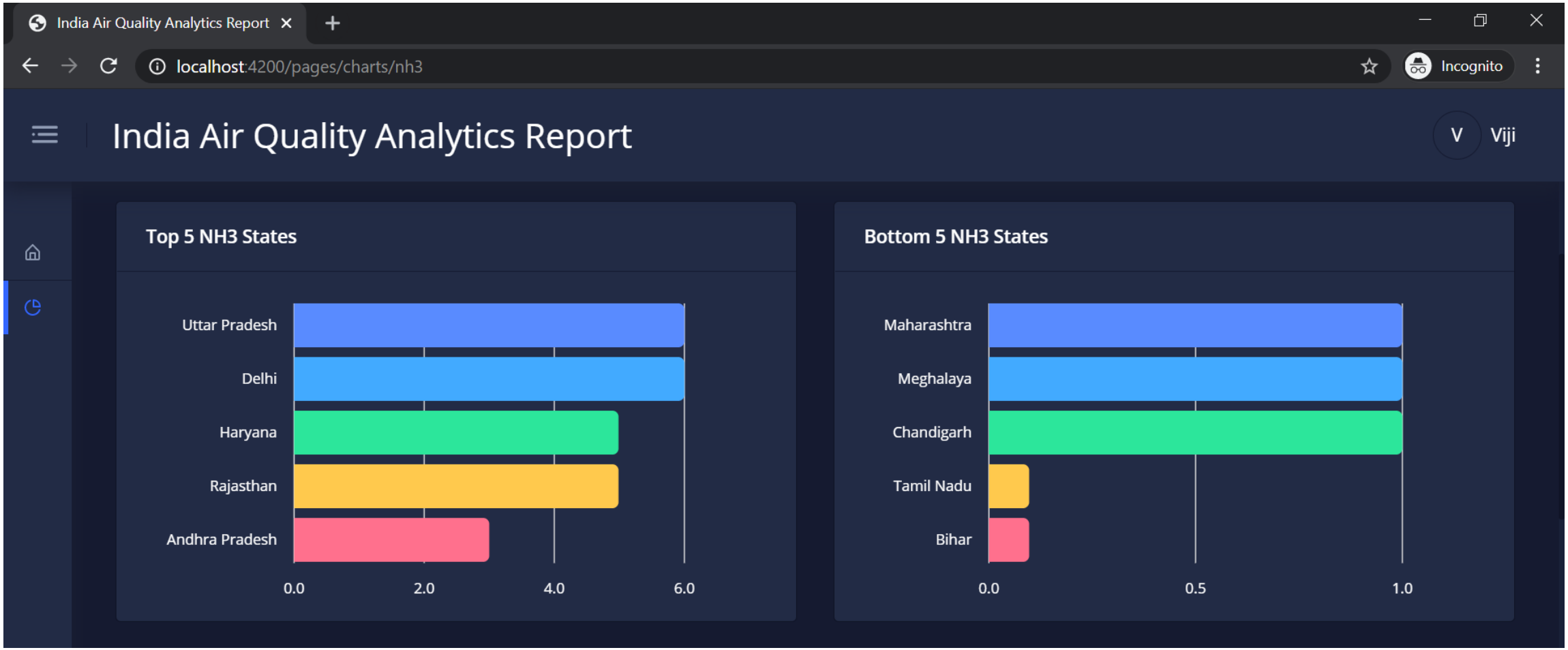
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
NH3 Report
NH3 Grid
Ammonia
Source
Agriculture, including animal husbandry and NH3-based fertilizer applications, industrial processes, vehicular emissions and volatilization from soils and oceans.
Effects
Exposure to ammonia in air may produce rapid skin or eye irritation
Ammonia may cause severe injury and burns
When excessive amounts of ammonia enter the central nervous system, the brain's defences are severely challenged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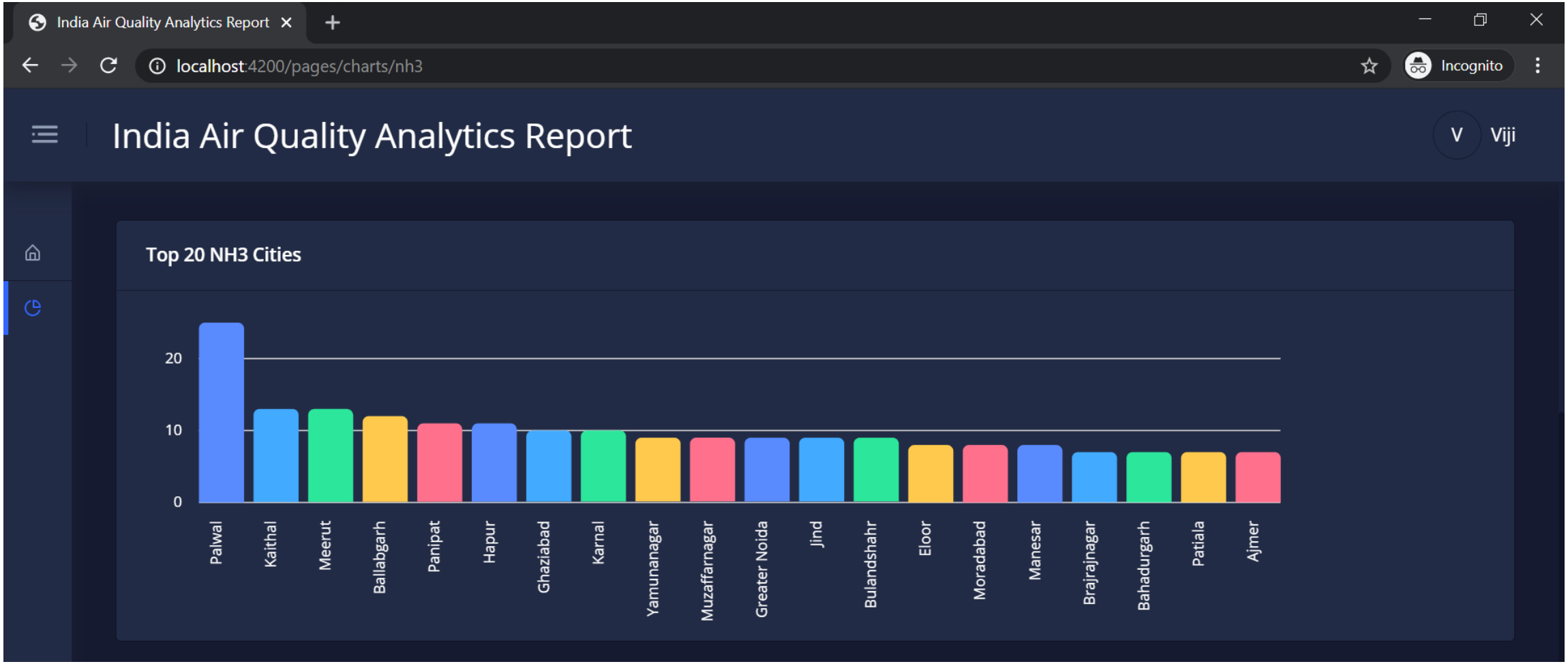
Incognito
India Air Quality Analytics Report
V
Viji
Top 5 NH3 States
Uttar Pradesh
Delhi
Haryana
Rajasthan
Andhra Pradesh
0.0
2.0
4.0
6.0
Bottom 5 NH3 States
Maharashtra
Meghalaya
Chandigarh
Tamil Nadu
Bihar
0.0
0.5
1.0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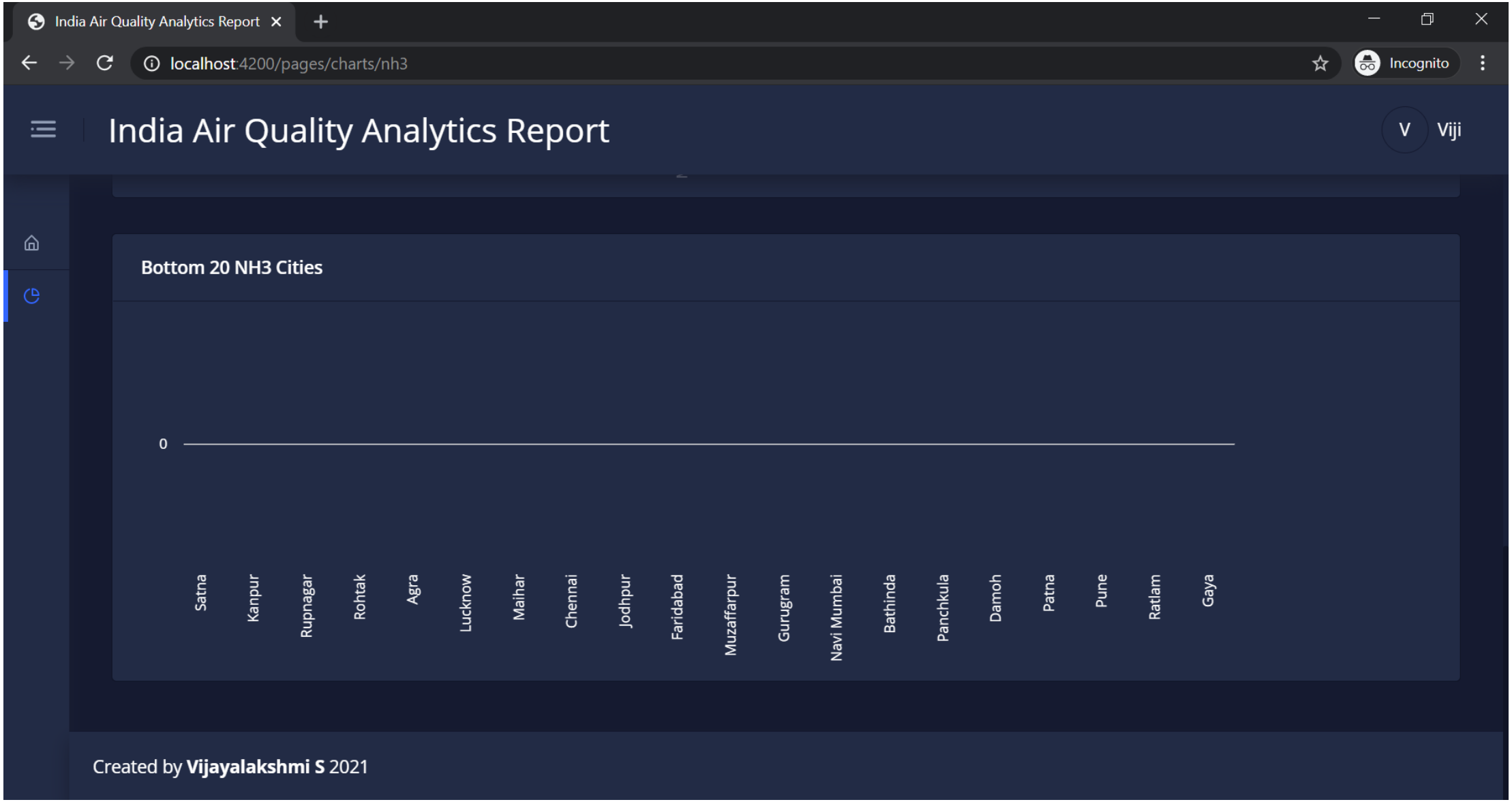
India Air Quality Analytics Report
V
Viji
Top 20 NH3 Cities
20
10
0
Palwal
Kaithal
Meerut
Ballabgarh
Panipat
Hapur
Ghaziabad
Karnal
Yamunanagar
Muzaffarnagar
Greater Noida
Jind
Bulandshahr
Eloor
Moradabad
Manesar
Brajrajnagar
Bahadurgarh
Patiala
Ajmer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India Air Quality Analytics Report
V
Viji
Bottom 20 NH3 Cities
0
Satna
Kanpur
Rupnagar
Rohtak
Agra
Lucknow
Maihar
Chennai
Jodhpur
Faridabad
Muzaffarpur
Gurugram
Navi Mumbai
Bathinda
Panchkula
Damoh
Patna
Pune
Ratlam
Gaya
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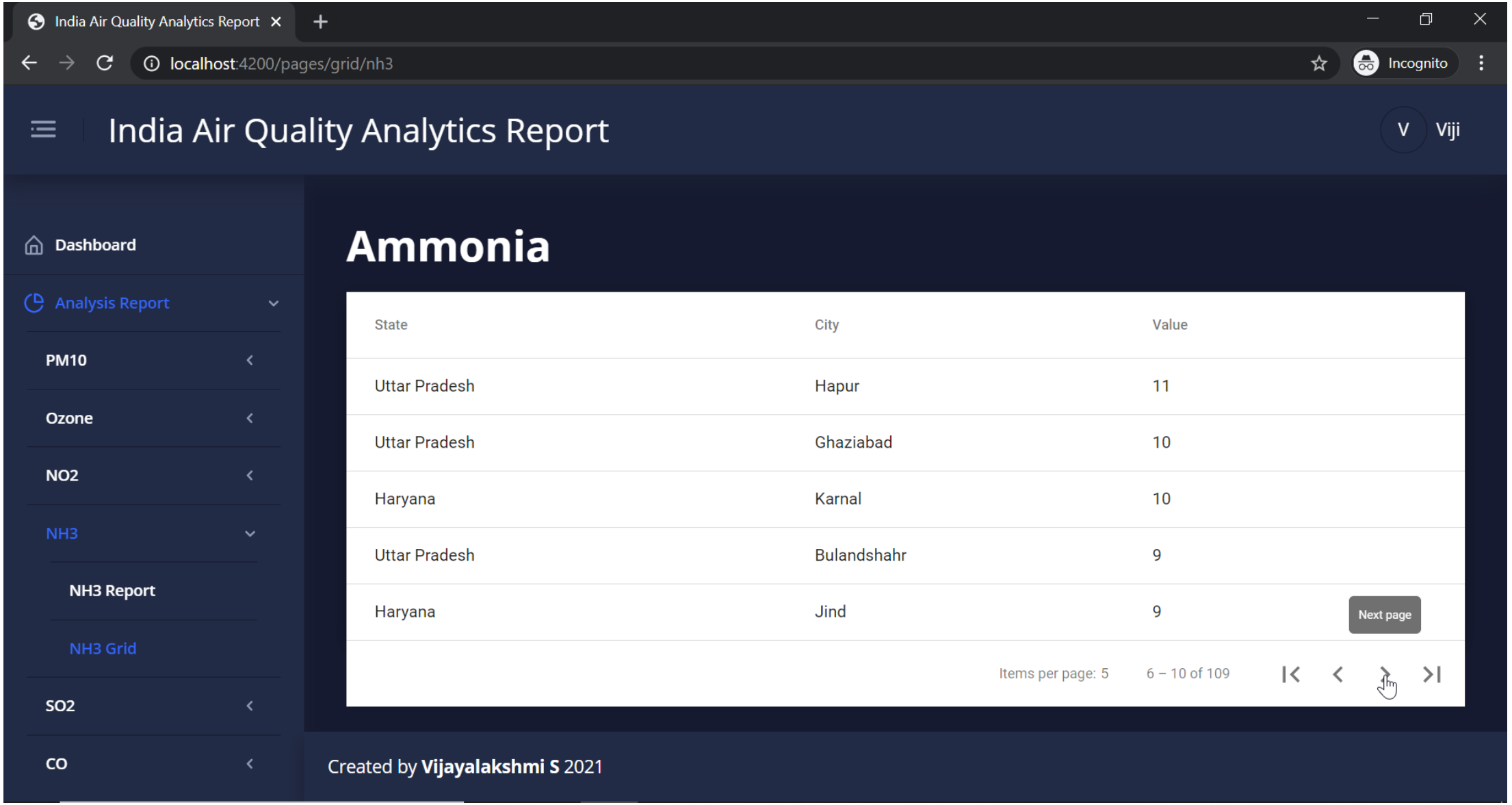
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India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
NH3 Report
NH3 Grid
SO2
CO
Ammonia
State
City
Value
Uttar Pradesh
Hapur
11
Uttar Pradesh
Ghaziabad
10
Haryana
Karnal
10
Uttar Pradesh
Bulandshahr
9
Haryana
Jind
9
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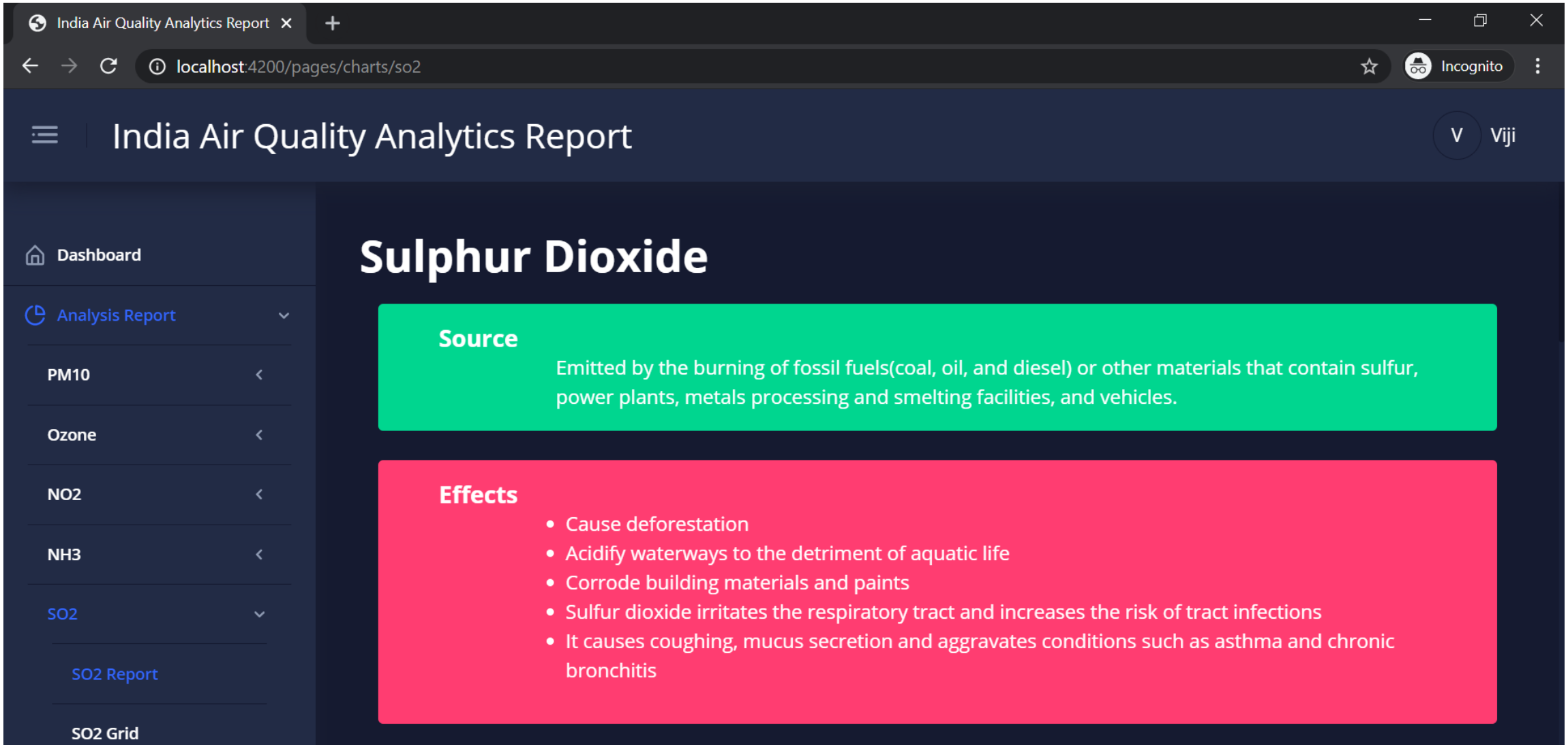
India Air Quality Analytics Report
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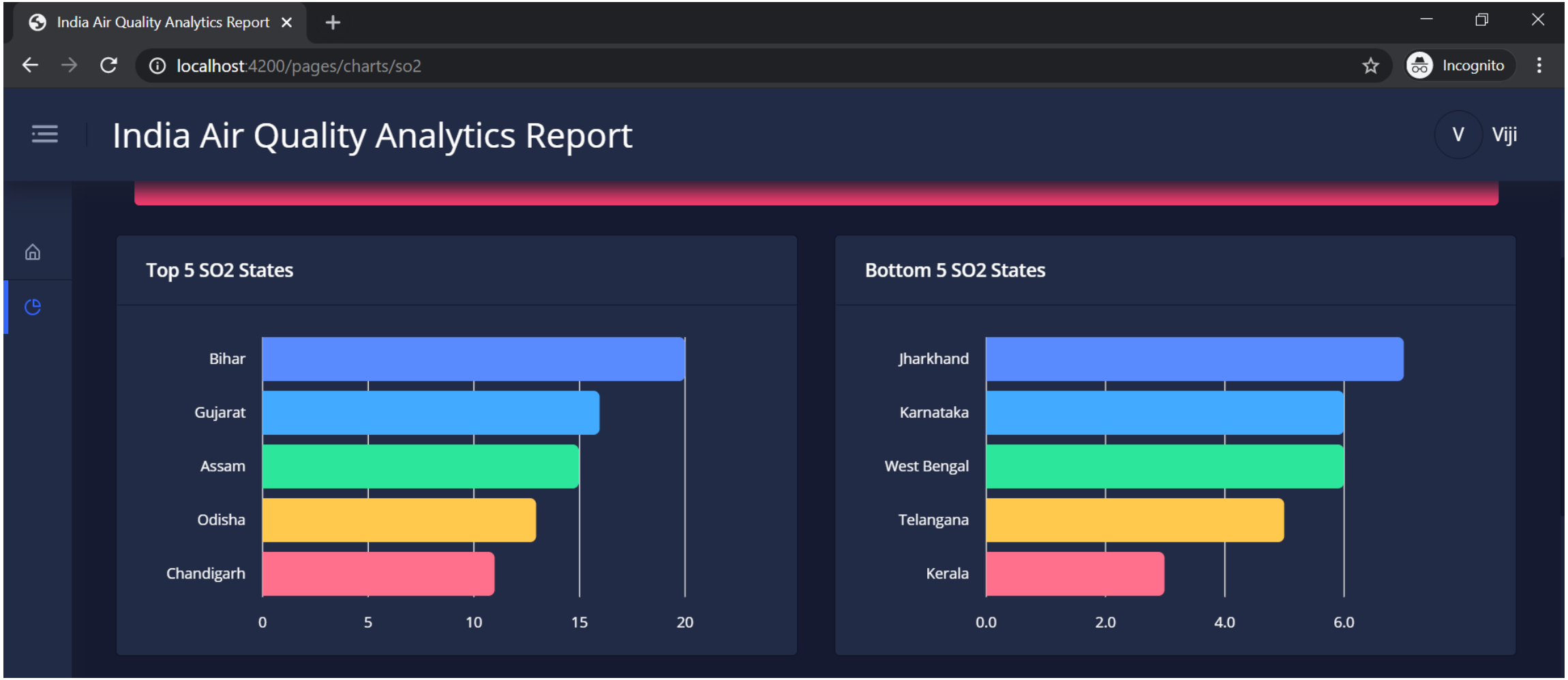
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
SO2
SO2 Report
SO2 Grid
Sulphur Dioxide
Source
Emitted by the burning of fossil fuels(coal, oil, and diesel) or other materials that contain sulfur, power plants, metals processing and smelting facilities, and vehicles.
Effects
Cause deforestation
Acidify waterways to the detriment of aquatic life
Corrode building materials and paints
Sulfur dioxide irritates the respiratory tract and increases the risk of tract infections
It causes coughing, mucus secretion and aggravates conditions such as asthma and chronic bronchitis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India Air Quality Analytics Report
V
Viji
Top 5 SO2 States
Bihar
Gujarat
Assam
Odisha
Chandigarh
0
5
10
15
20
Bottom 5 SO2 States
Jharkhand
Karnataka
West Bengal
Telangana
Kerala
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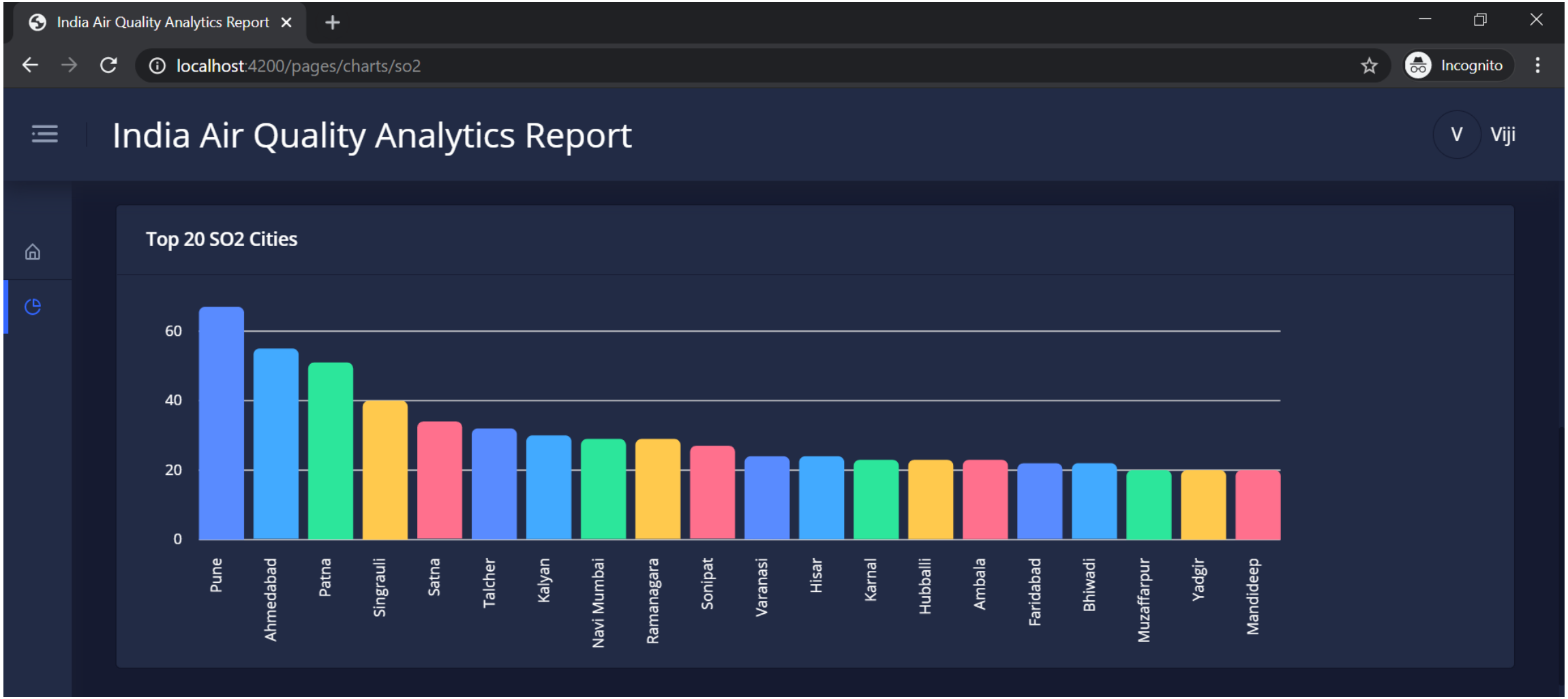
2.0
4.0
6.0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India Air Quality Analytics Report
V
Viji
Top 20 SO2 Cities
60
40
20
0
Pune
Ahmedabad
Patna
Singrauli
Satna
Talcher
Kalyan
Navi Mumbai
Ramanagara
Sonipat
Varanasi
Hisar
Karnal
Hubballi
Ambala
Faridabad
Bhiwadi
Muzaffarpur
Yadgir
Mandideep

India Air Quality Analytics Report

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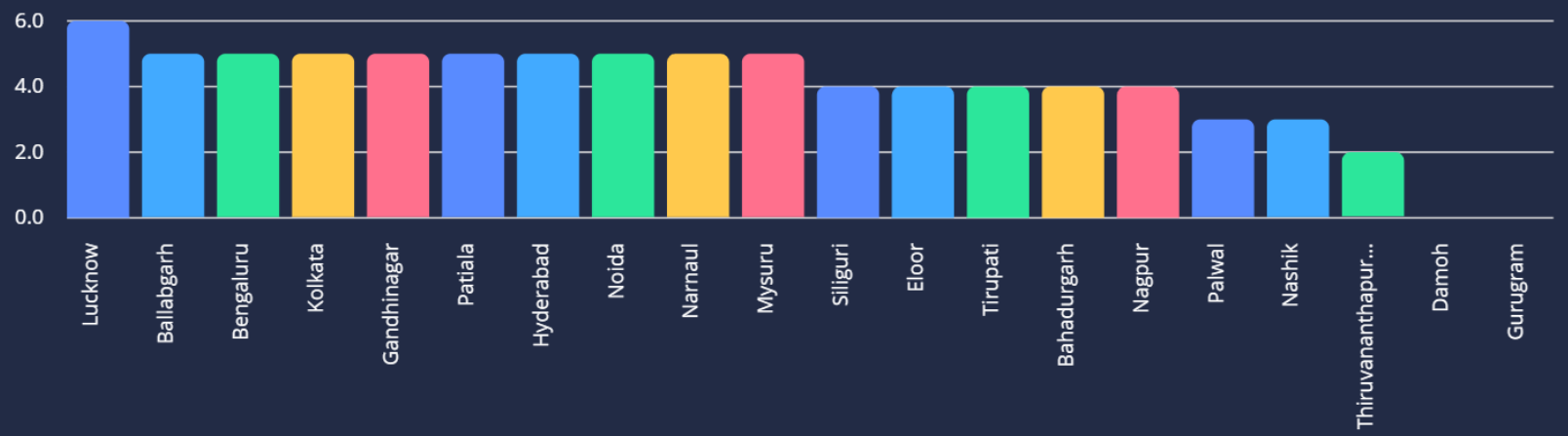
India Air Quality Analytics Report

V Viji

Bottom 20 SO2 Cities



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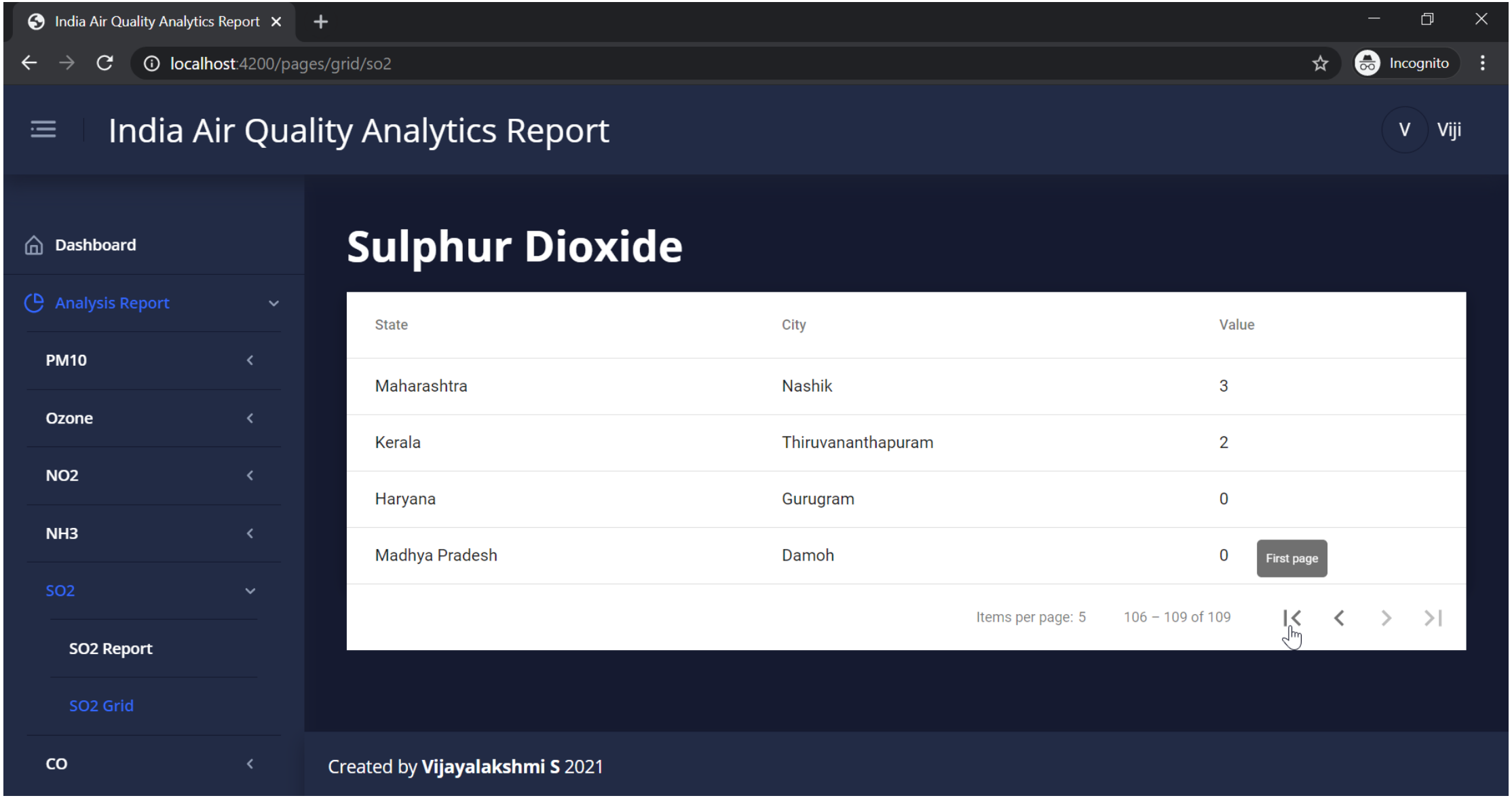
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V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
SO2
SO2 Report
SO2 Grid
CO
Sulphur Dioxide
State
City
Value
Maharashtra
Nashik
3
Kerala
Thiruvananthapuram
2
Haryana
Gurugram
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Damoh
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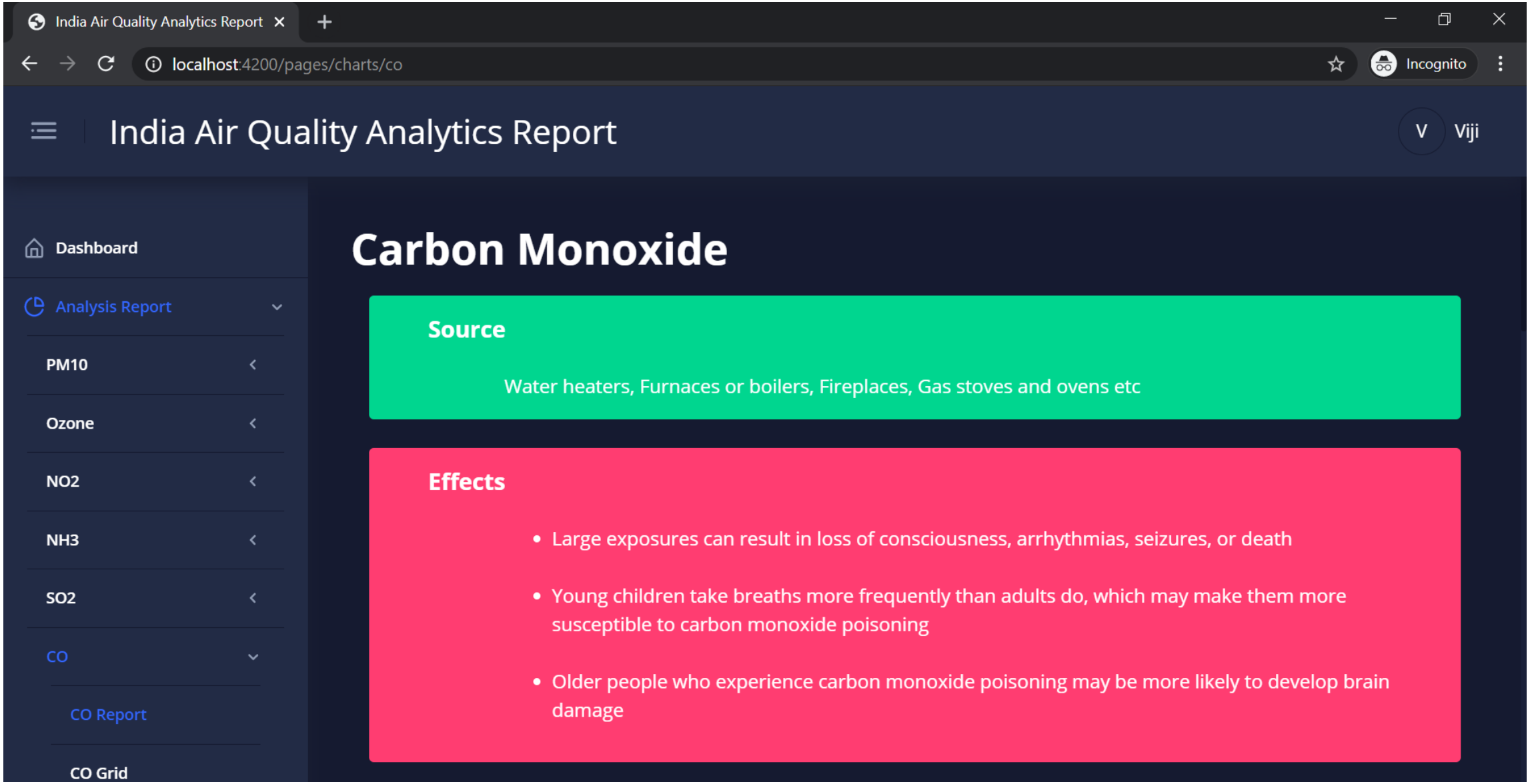
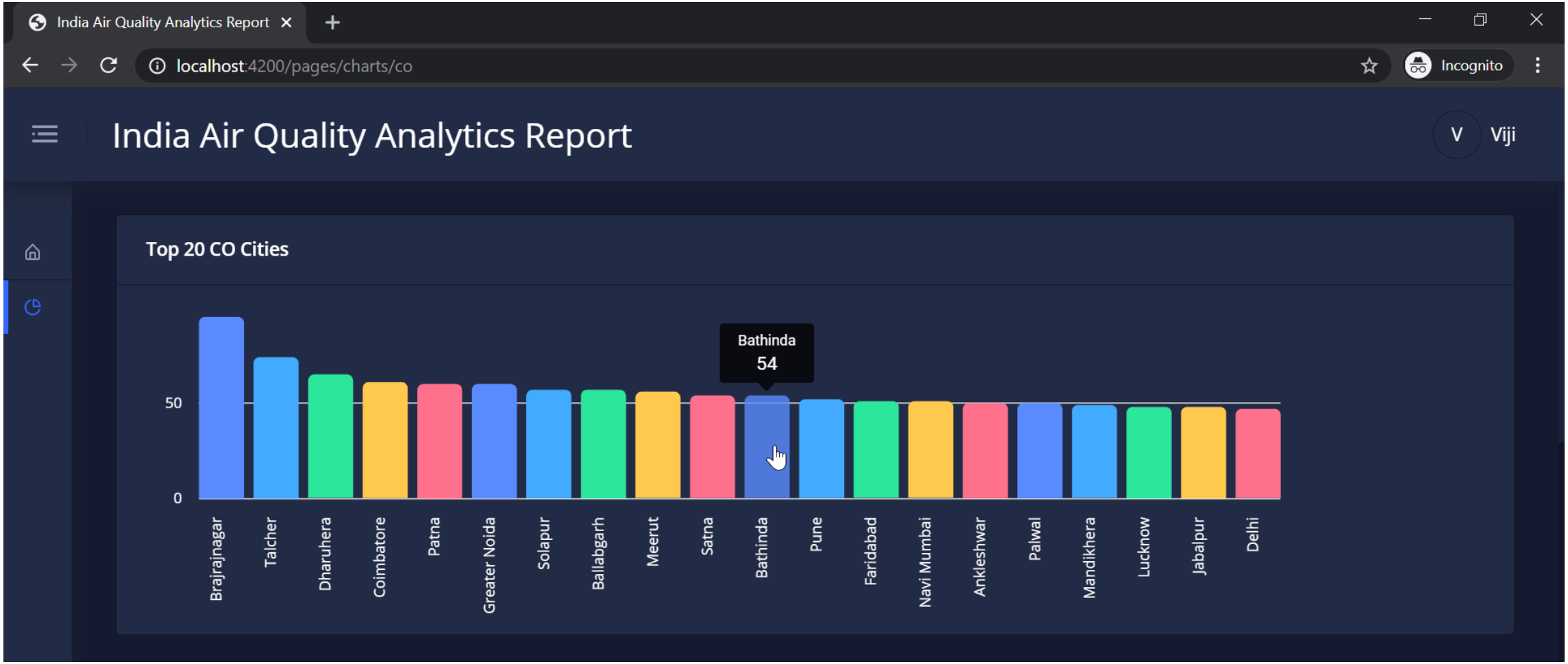

India Air Quality Analytics Report
localhost:4200/pages/charts/co
Incognito
India Air Quality Analytics Report
V
Viji
Dashboard
Analysis Report
PM10
Ozone
NO2
NH3
SO2
CO
CO Report
CO Grid
Carbon Monoxide
Source
Water heaters, Furnaces or boilers, Fireplaces, Gas stoves and ovens etc
Effects
Large exposures can result in loss of consciousness, arrhythmias, seizures, or death
Young children take breaths more frequently than adults do, which may make them more susceptible to carbon monoxide poisoning
Older people who experience carbon monoxide poisoning may be more likely to develop brain damage


India Air Quality Analytics Report
localhost:4200/pages/charts/co
Incognito
India Air Quality Analytics Report
V
Viji
Top 5 CO States
Odisha
85
Odisha
Delhi
Bihar
Uttar Pradesh
Kerala
0
20
40
60
80
Bottom 5 CO States
West Bengal
Telangana
Punjab
Meghalaya
Jharkhand
0
10
20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India Air Quality Analytics Report
V
Viji
Top 20 CO Cities
Bathinda
54
50
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Brajrajnagar
Talcher
Dharuhera
Coimbatore
Patna
Greater Noida
Solapur
Ballabgarh
Meerut
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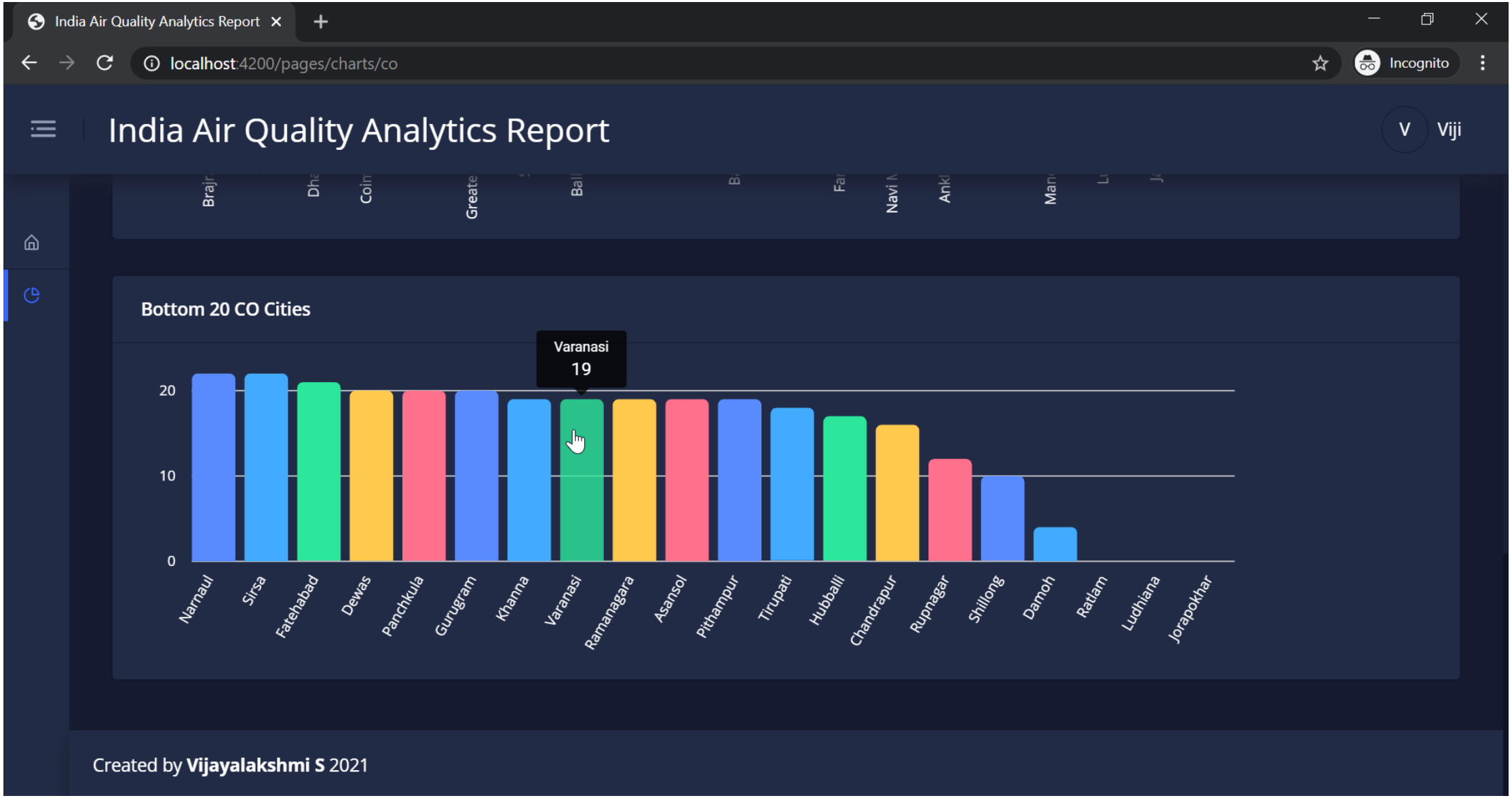
Bathinda
Pune
Faridabad
Navi Mumbai
Ankleshwar
Palwal
Mandikhera
Lucknow
Jabalpur
Delhi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India Air Quality Analytics Report
V
Viji
Bottom 20 CO Cities
Varanasi
19
20
10
0
Narnaul
Sirsa
Fatehabad
Dewas
Panchkula
Gurugram
Khanna
Varanasi
Ramanagara
Asansol
Pithampur
Tirupati
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Chandrapur
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Damoh
Ratlam
Ludhiana
Jorapokhar
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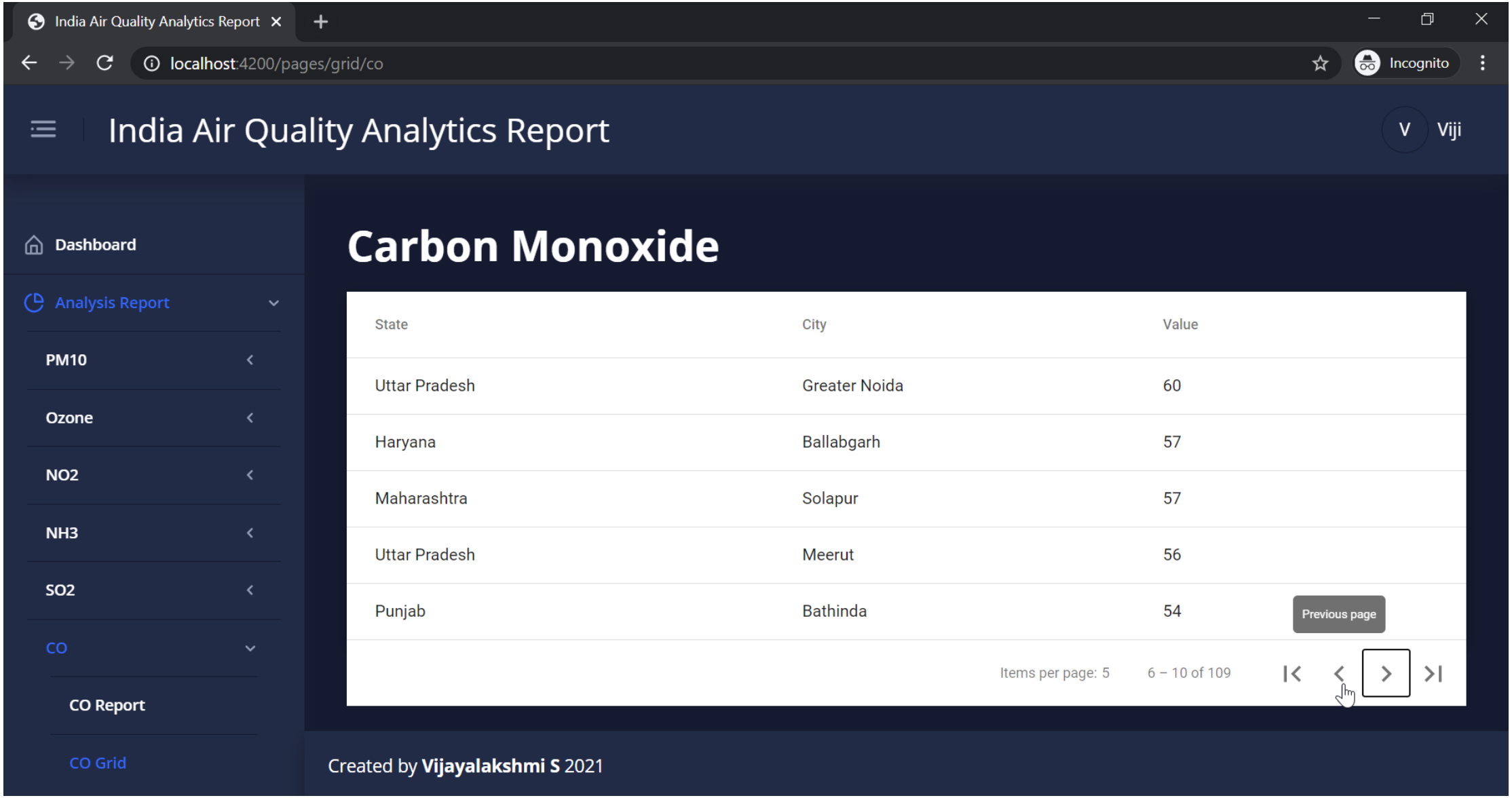
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Dashboard
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PM10
Ozone
NO2
NH3
SO2
CO
CO Report
CO Grid
Carbon Monoxide
State
City
Value
Uttar Pradesh
Greater Noida
60
Haryana
Ballabgarh
57
Maharashtra
Solapur
57
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Meerut
56
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54
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Items per page: 5
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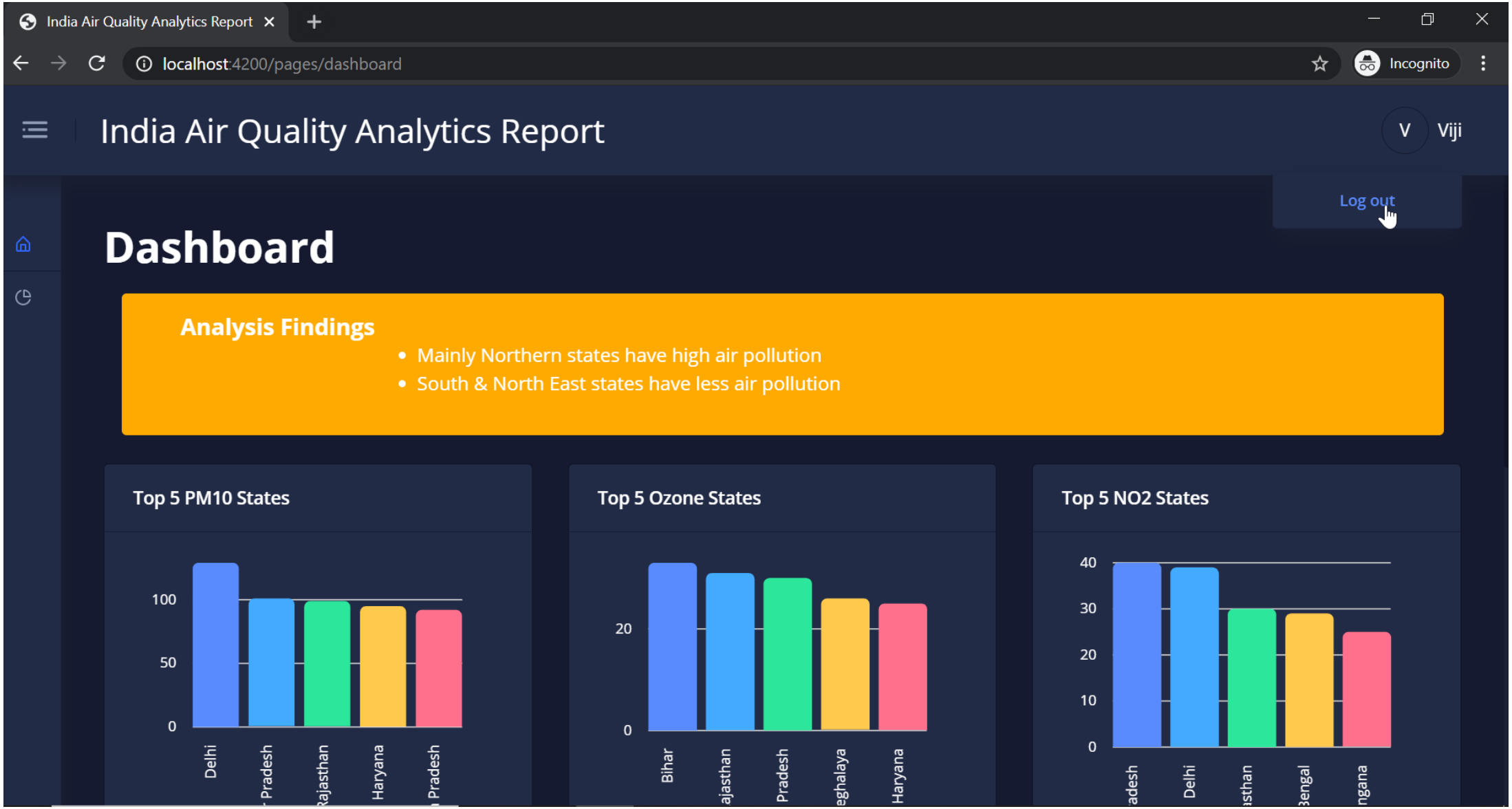
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localhost:4200/pages/dashboard
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India Air Quality Analytics Report
V
Viji
Log out
Dashboard
Analysis Findings
Mainly Northern states have high air pollution
South & North East states have less air pollution
Top 5 PM10 States
100
50
0
Delhi
Haryana
Top 5 Ozone States
20
0
Bihar
Pradesh
Haryana
Top 5 NO2 States
40
30
20
10
0
Delhi

BIBLIOGRAPHY

https://www.djangoproject.com/start/

https://www.django-rest-framework.org/

https://material.angular.io/

https://www.kaggle.com/karankrishna/india-air-quality-analysis