

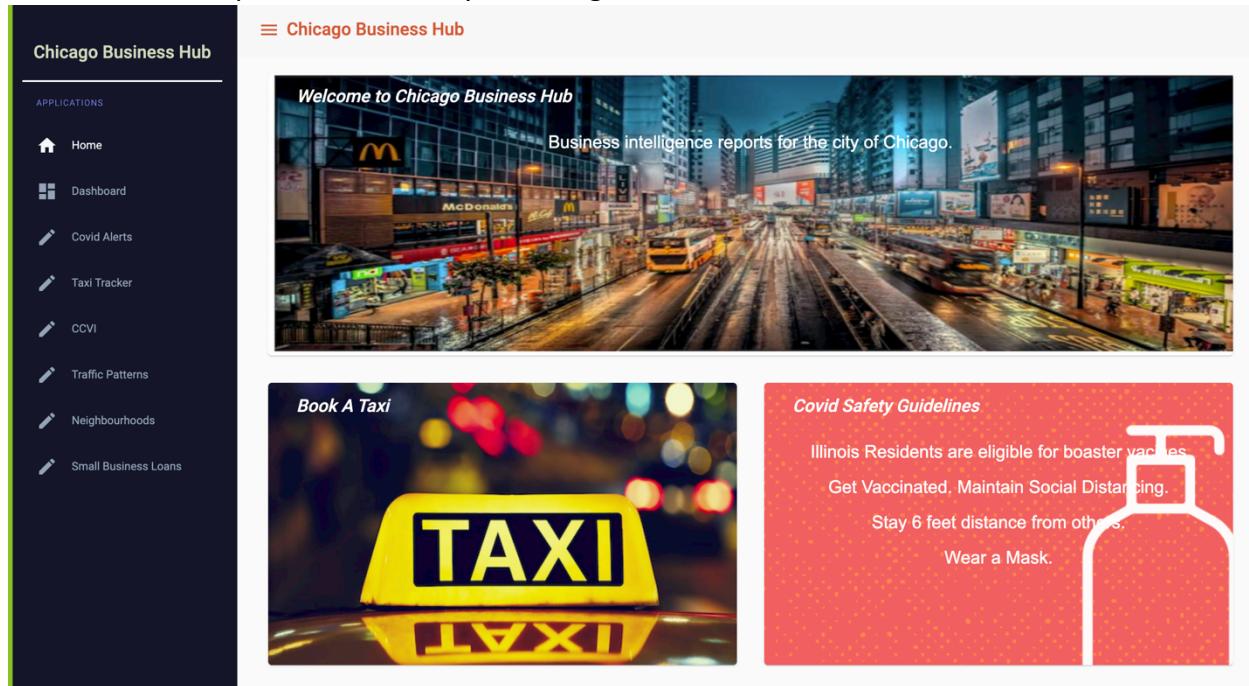
Project – Phase 3

Chicago Business Intelligence

Team 19

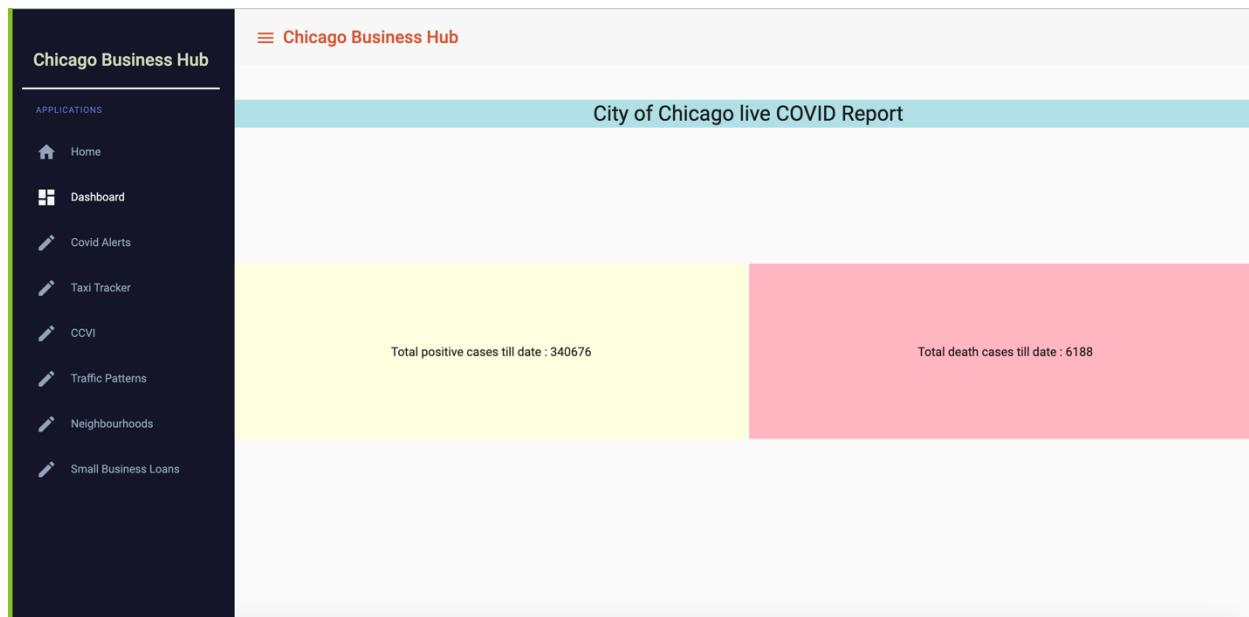
Sudharshana, Vidya – A20472468 – vsudharshana@hawk.iit.edu
Mohan, Ajay Roopesh – A20435463- amohan6@hawk.iit.edu

- 1) Home page – This page will provide the information about covid, taxi trips, charts, traffic patterns etc in city of Chicago.



The screenshot shows the 'Chicago Business Hub' home page. On the left is a dark sidebar with a yellow vertical bar on the far left. The sidebar has a title 'Chicago Business Hub' and a 'APPLICATIONS' section with links: Home, Dashboard, Covid Alerts, Taxi Tracker, CCVI, Traffic Patterns, Neighbourhoods, and Small Business Loans. The main content area has a title 'Chicago Business Hub' in orange. Below it is a large image of a city street at night with neon signs for McDonald's and other businesses. Text over the image says 'Welcome to Chicago Business Hub' and 'Business intelligence reports for the city of Chicago.' To the right of the image is a 'Book A Taxi' button with a yellow taxi sign background and a red 'Covid Safety Guidelines' box containing text and icons.

- 2) Dashboard: Live Covid data report



The screenshot shows the 'Chicago Business Hub' dashboard. The left sidebar is identical to the home page. The main content area has a title 'Chicago Business Hub' in orange. A teal header bar reads 'City of Chicago live COVID Report'. Below the header are two large colored boxes: a yellow box on the left with text 'Total positive cases till date : 340676' and a pink box on the right with text 'Total death cases till date : 6188'.

3)Covid Alerts – In this dashboard it provides the info about covid alerts, weekly data and charts.

Chicago Business Hub

APPLICATIONS

- Home
- Dashboard
- Covid Alerts
- Taxi Tracker
- CCVI
- Traffic Patterns
- Neighbourhoods
- Small Business Loans

Alert system

Covid Weekly data

Covid Weekly chart

You can enter your mobile number to receive the Covid weekly alerts. Community areas are sorted based on weekly cases.

Chicago Business Hub

APPLICATIONS

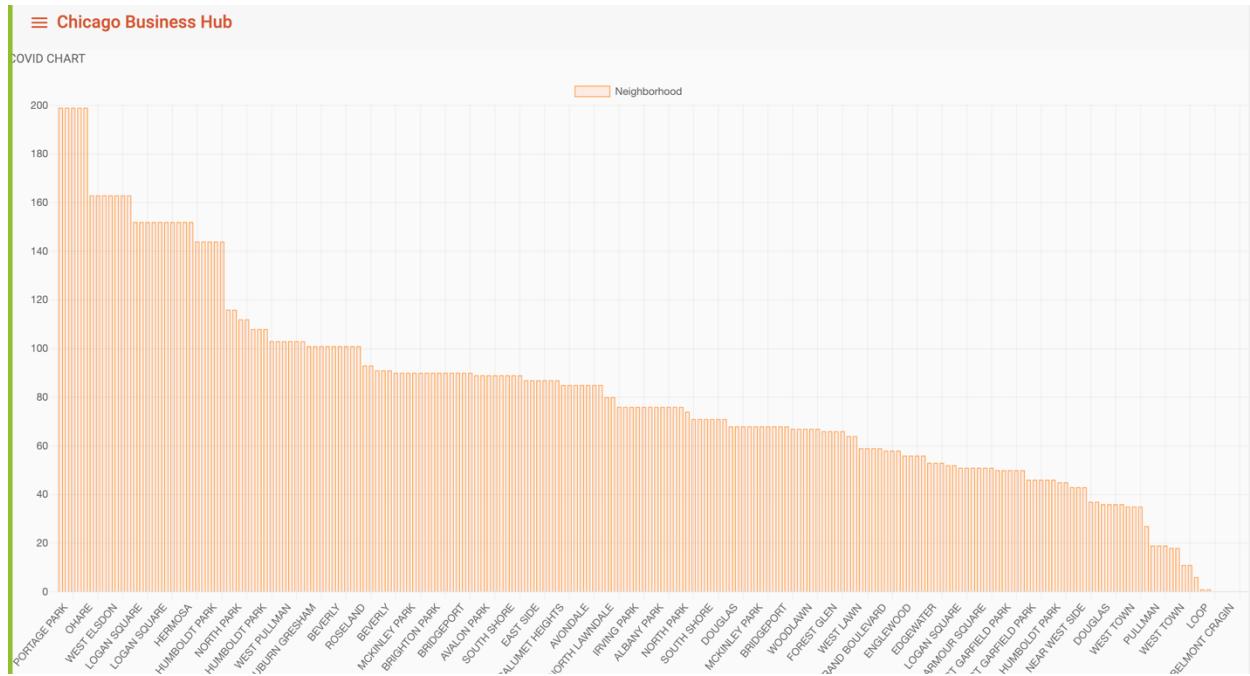
- Home
- Dashboard
- Covid Alerts
- Taxi Tracker
- CCVI
- Traffic Patterns
- Neighbourhoods
- Small Business Loans

Register to get alerts

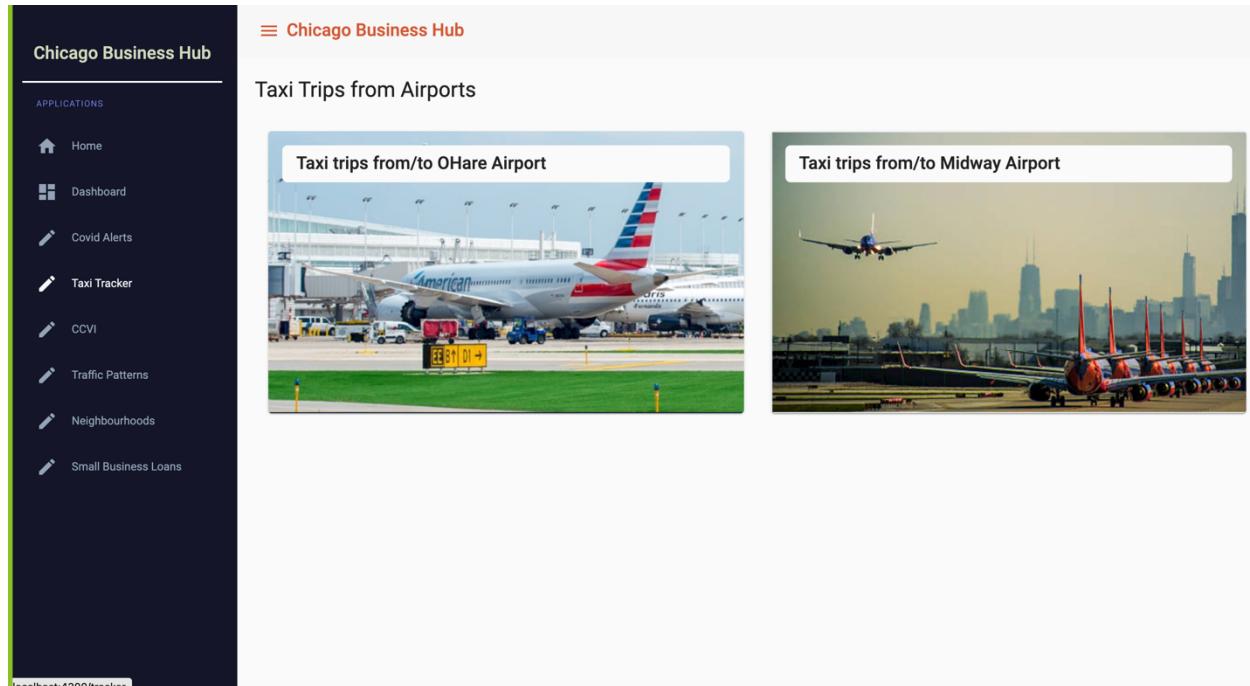
Enter your mobile number:

INDEX	WEEK	COMMUNITY_AREA	CASES_WEEKLY	CASES_CUMULATIVE	DEATHS_WEEKLY	DEATHS_CUMULATIVE	POPULATION	TESTS_WEEKLY
1	11/20/2021	DUNNING	199	12387	3	182	75995	5107
2	11/20/2021	MONTCLARE	199	12387	3	182	75995	5107
3	11/20/2021	OHARE	199	12387	3	182	75995	5107
4	11/20/2021	PORTAGE PARK	199	12387	3	182	75995	5107
5	11/20/2021	BELMONT CRAGIN	199	12387	3	182	75995	5107
6	11/20/2021	GAGE PARK	163	19231	1	285	111850	5741
7	11/20/2021	GARFIELD RIDGE	163	19231	1	285	111850	5741
8	11/20/2021	WEST ELSDON	163	19231	1	285	111850	5741
9	11/20/2021	CHICAGO LAWN	163	19231	1	285	111850	5741
10	11/20/2021	CLEARING	163	19231	1	285	111850	5741

Bar Graph representation of Weekly Covid Cases in different community areas



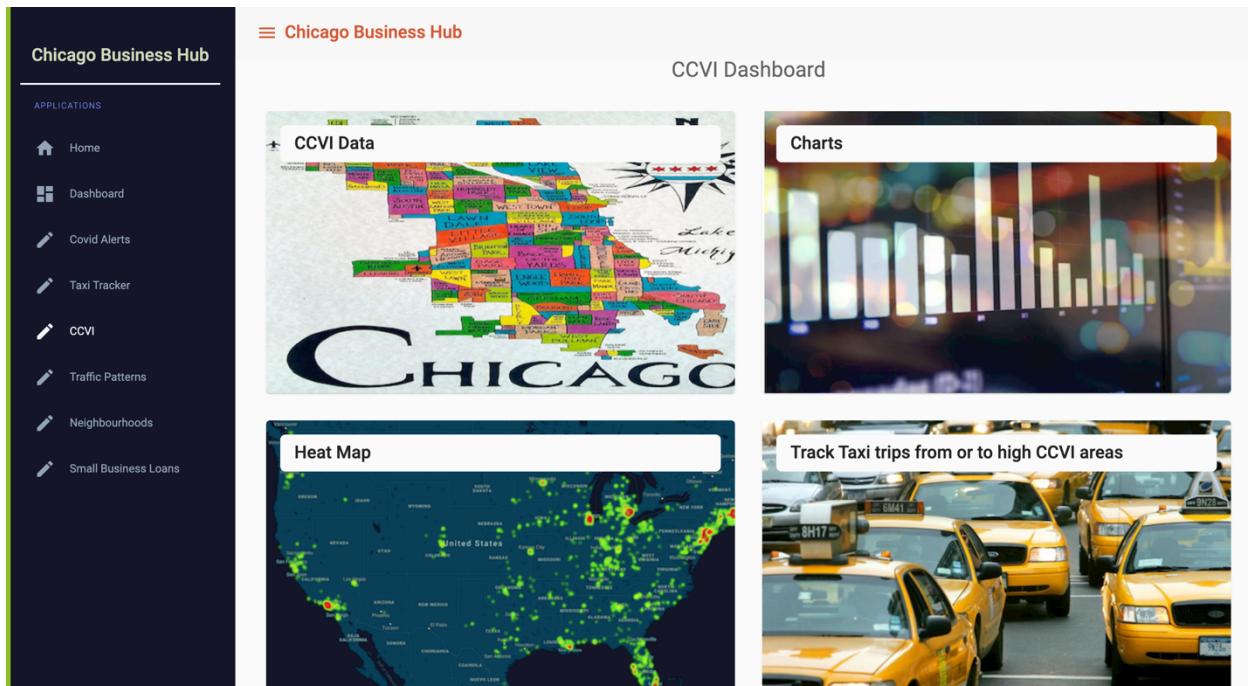
4) Taxi trip tracker for the two airports of Chicago



- Taxi trip data from/to Ohare Airport

Chicago Business Hub					
INDEX	TRIP ID	TRIP START TIME	TRIP END TIME	PICK UP LOCATION	DROP LOCATION
1	50752b50dd348c5822fd897b32c7c6786786eda0	10/29/2021 22:00	10/29/2021 22:45	OHARE	LINCOLN PARK
2	4faa424b7d456957ed3cf062512937c7ed4c6cff	10/29/2021 22:00	10/29/2021 22:45	OHARE	NEAR NORTH SIDE
3	54f193324b47d76cbff996131bb680edb7d06662	10/29/2021 22:00	10/29/2021 22:30	OHARE	NEAR NORTH SIDE
4	a530bb5abffcc6a02c16892c49d3b3e957dc95941	10/29/2021 10:00	10/29/2021 10:30	OHARE	WEST TOWN
5	a6c96cb57c4e5d489c9cd1eec1015bedf4ca2965	10/29/2021 10:00	10/29/2021 10:30	OHARE	LOOP
6	967b364c3d225df3cf221727a6bf1bb330371e5	10/29/2021 10:00	10/29/2021 10:45	LAKEVIEW	OHARE
7	94694cdcb87e3f41966ed76ae97b8c142fc1ebb	10/29/2021 10:00	10/29/2021 10:45	OHARE	LOOP
8	a9714c0884f5b0ae333a201168858ad389f55926	10/29/2021 10:00	10/29/2021 10:30	OHARE	WEST TOWN
9	c7cbe4e3e11cd59547224a3c972b22665187d205	10/29/2021 10:00	10/29/2021 10:45	OHARE	NEAR NORTH SIDE
10	de7f2cea36a8e6e002456caa6b473ae0b0cc36	10/29/2021 10:00	10/29/2021 10:00	OHARE	OHARE
11	daee06238555e9db52ba7c22514418cc6f2c428c	10/29/2021 10:00	10/29/2021 10:45	OHARE	LOOP
12	d1f4c5ece7b2d3a4ebd825ff2641bb18570cdcb9	10/29/2021 10:00	10/29/2021 10:30	LOOP	OHARE
13	c97643d7e86715b5eed3b476548b810ebce8e3e	10/29/2021 10:00	10/29/2021 10:15	OHARE	FOREST GLEN
14	e3fd1eb84f58a8d15ce3e6a4317389a3489b9436	10/29/2021 10:00	10/29/2021 10:15	OHARE	

5) CCVI(covid community vulnerability index) Dashboard



High CCVI data for different neighborhoods of chicago

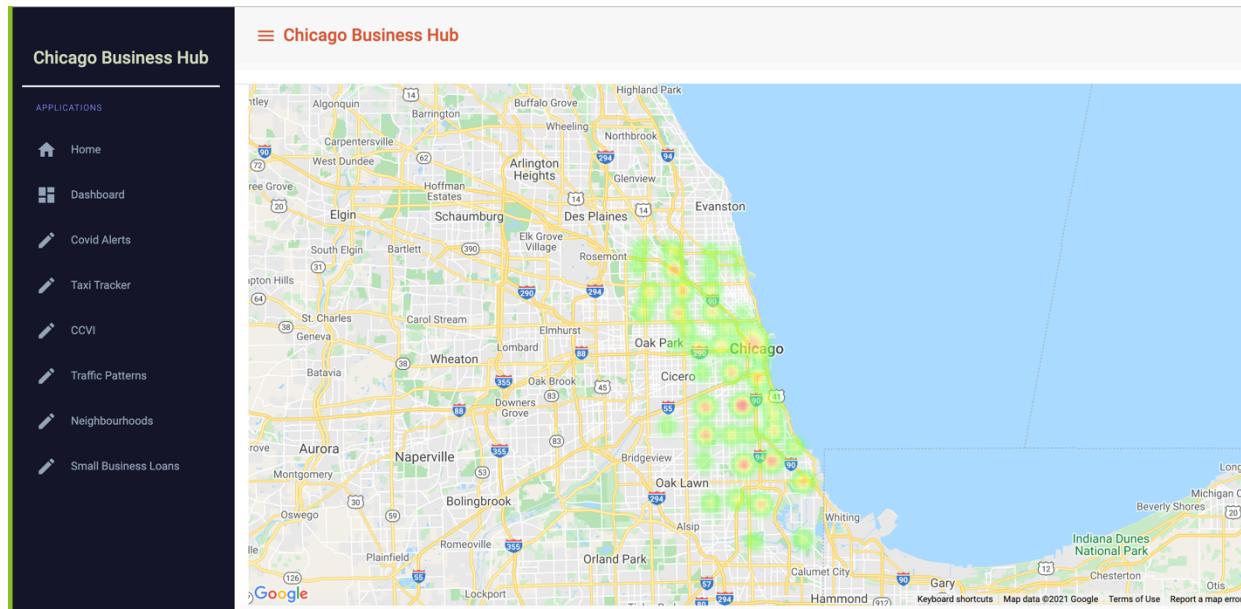
Chicago Business Hub

Chicago Business Hub

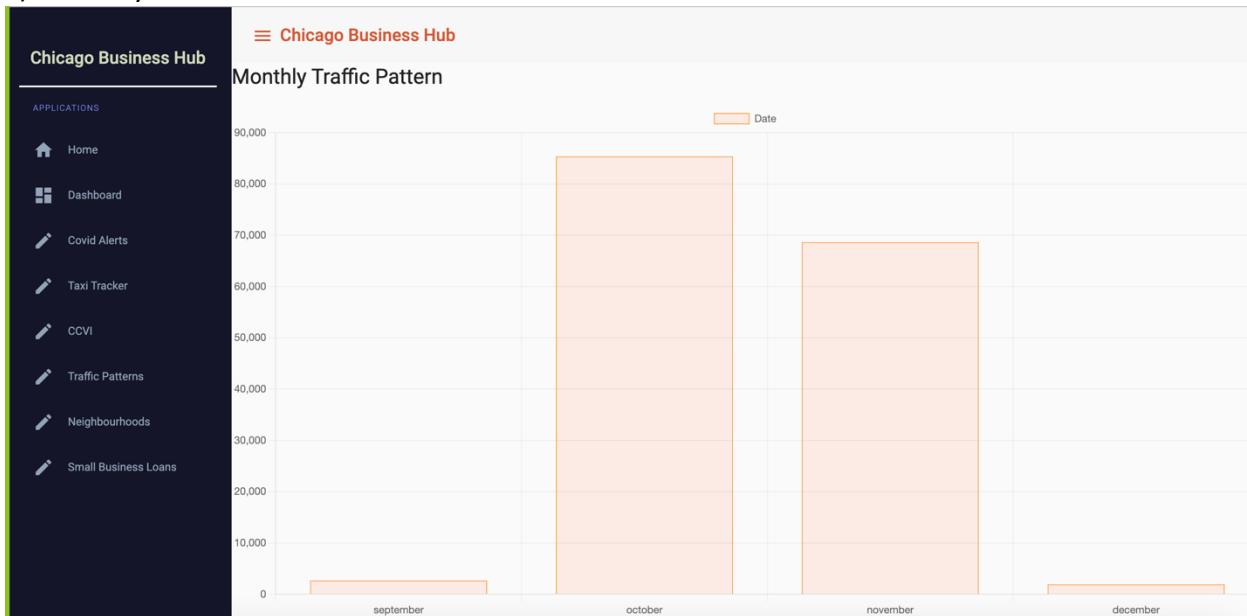
High CCVI category community areas

ZIPCODE	NEIGHBORHOOD	CCVISCORE	CCVICATEGORY
60636	ENGLEWOOD	62.5	HIGH
60636	GAGE PARK	62.5	HIGH
60636	CHICAGO LAWN	62.5	HIGH
60636	WEST ENGLEWOOD	62.5	HIGH
60623	NORTH LAWNDALE	58.3	HIGH
60623	SOUTH LAWNDALE	58.3	HIGH
60629	CLEARING	53.4	HIGH
60629	WEST ELSDON	53.4	HIGH
60629	GAGE PARK	53.4	HIGH
60629	GARFIELD RIDGE	53.4	HIGH
60629	CHICAGO LAWN	53.4	HIGH

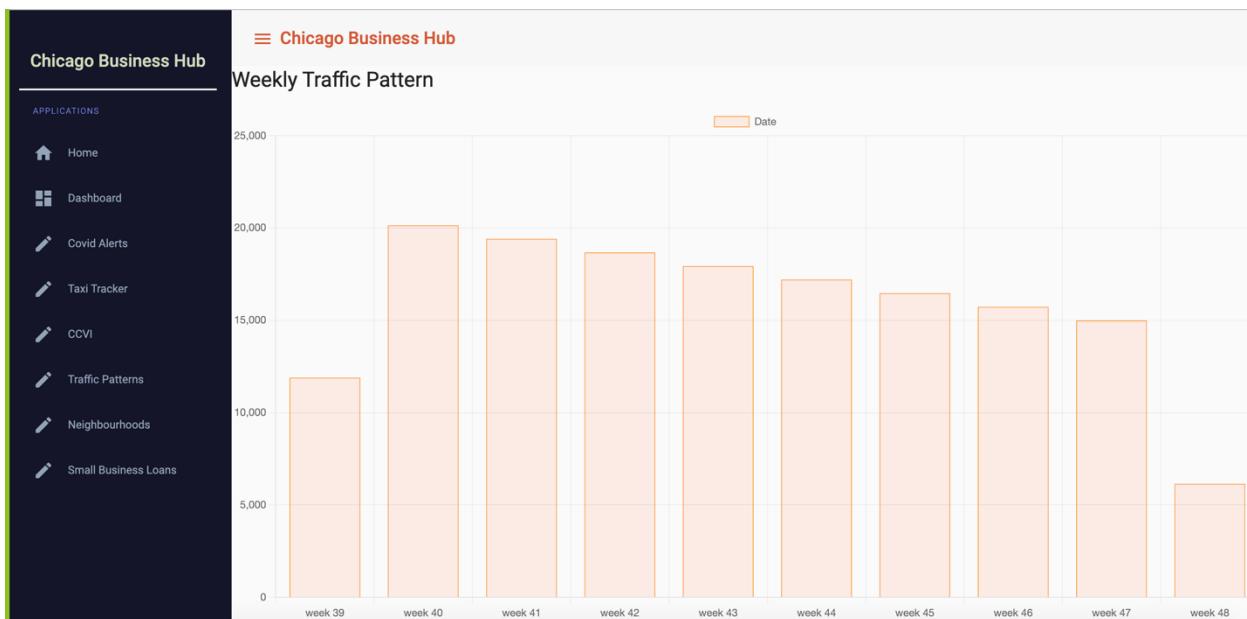
Heat Map representation of High/Low CCVI categories



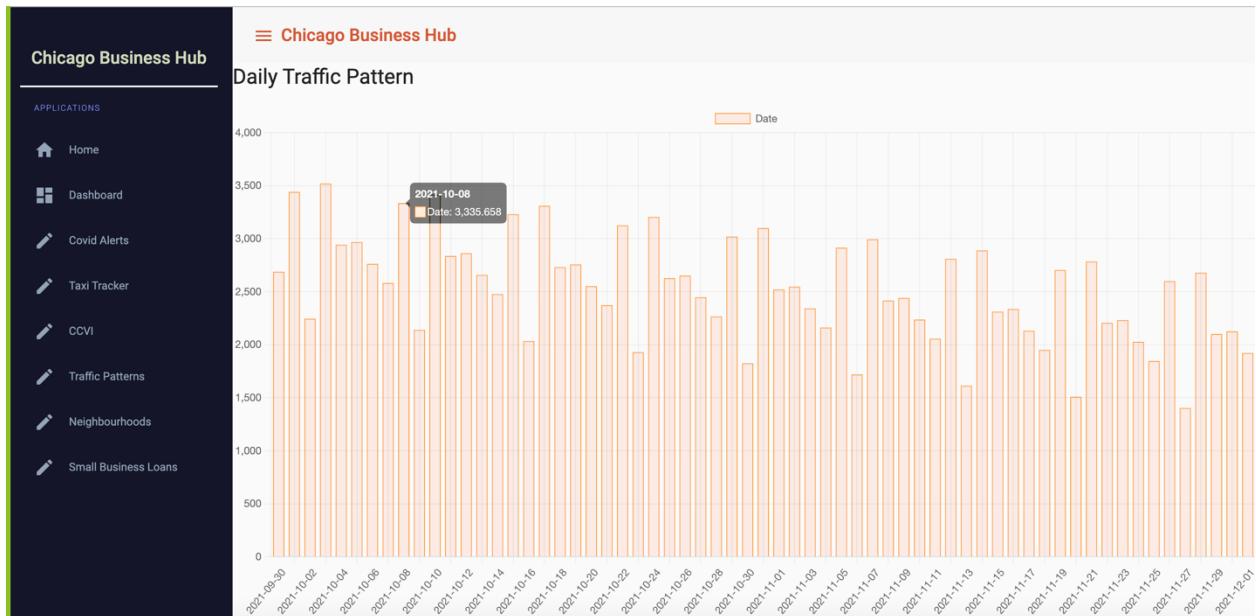
6) Monthly Traffic Pattern Prediction for the month of November and 1st of December



Weekly Traffic Pattern Prediction for the month of November and 1st of December



Daily Traffic Pattern Prediction for the month of November and 1st of December



7) Top 5 neighborhoods with lowest poverty rate

All building permit fees for the following neighbourhood have been waived off

Top 5 neighbourhood with highest poverty rate

INDEX	COMMUNITY AREA	POVERTY RATE
1	Clearing	8.9
2	Garfield Ridge	8.8
3	Jefferson Park	8.6
4	Forest Glen	7.5
5	North Center	7.5

Top 5 neighborhoods with lowest poverty rate and Choropleth Map(In progress)

Chicago Business Hub

Top 5 neighbourhood with highest unemployment rate

INDEX	COMMUNITY AREA	UNEMPLOYMENT RATE
1	North Park	9.9
2	Hegewisch	9.6
3	West Lawn	9.6
4	Clearing	9.5
5	Edgewater	9.2

Choropleth Map

8) Small Business Emergency Loan for New construction permits

Chicago Business Hub

Small Business Emergency Loan Fund

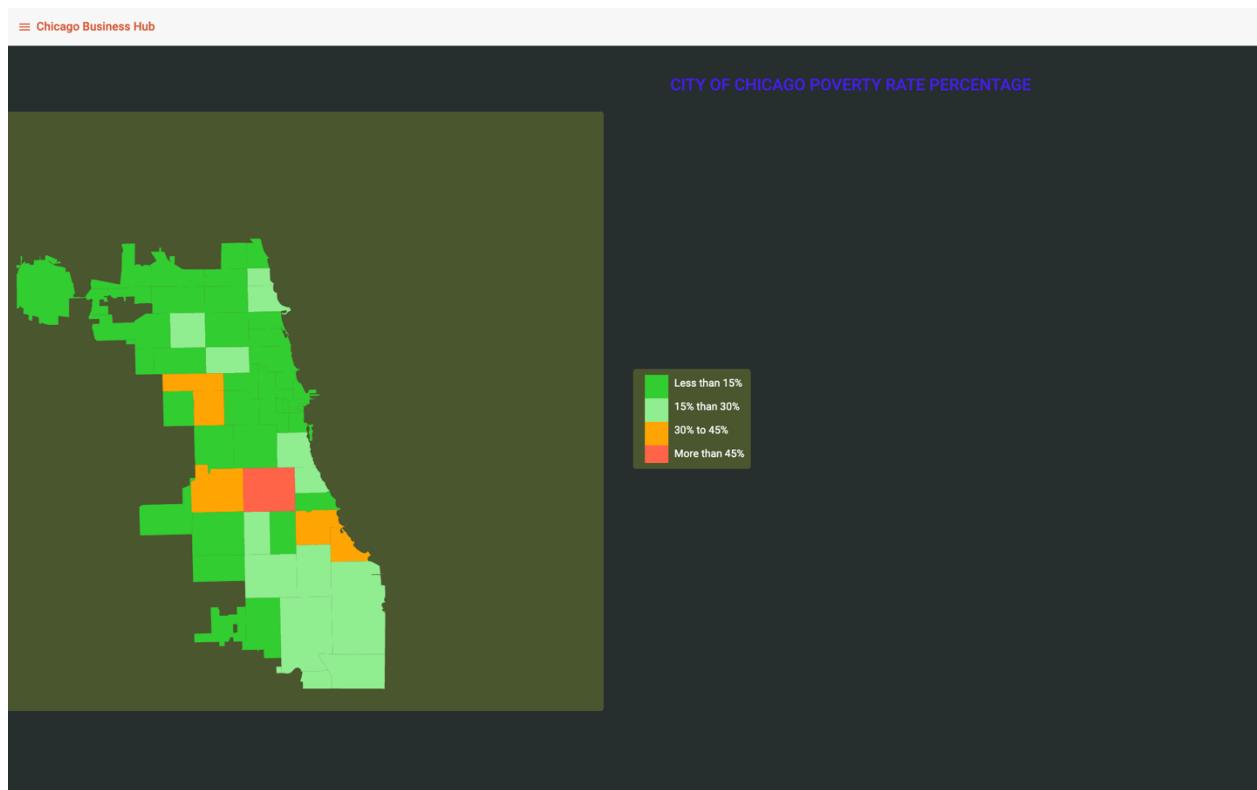
Enter the Permit Number

Congratulations!!! Your permit is eligible for Loan with low Interest

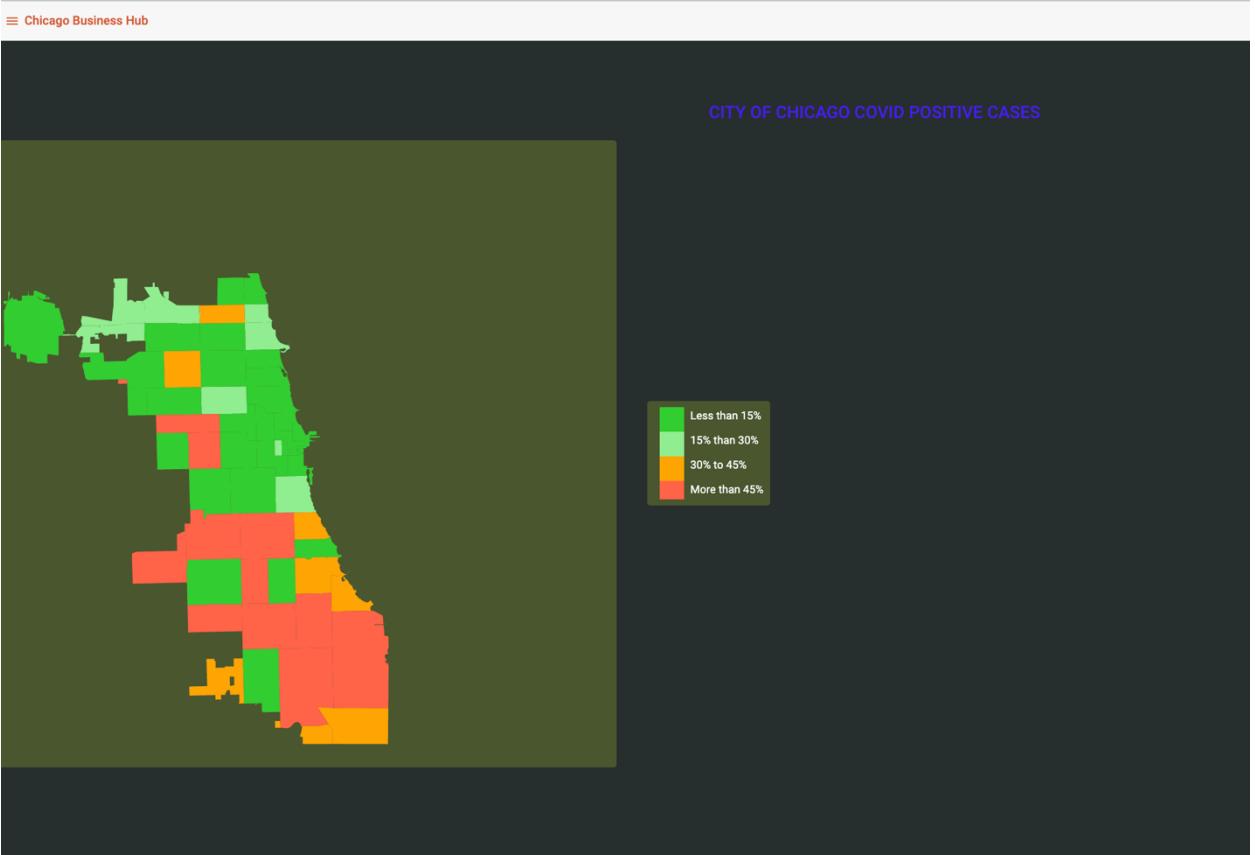
INDEX	PERMIT NO.	PERMIT TYPE	APPLICATION DATE	ISSUE DATE	ZIPCODE	COMMUNITY AREA	NO_OF_APPLICATIONS
1	100910229	PERMIT - NEW CONSTRUCTION	4/15/2021	6/11/2021	60620	ROSELAND	2
2	100911158	PERMIT - NEW CONSTRUCTION	5/4/2021	5/4/2021	60620	ROSELAND	2

9) CHOROPLETH MAP

- City of Chicago Poverty Rate percentage



- City of Chicago Positive Cases



- City of Chicago Small Business Emergency Loan

