

The background is a vibrant blue with a subtle, abstract pattern of circuit traces and circular nodes, reminiscent of a printed circuit board (PCB). A central black rectangular box with rounded corners contains the title text in white. The text is centered and reads: "APPLIED DATA SCIENCE" on the first line, "CAPSTONE PROJECT" on the second line, and "THE BATTLE OF NEIGHBORHOODS" on the third line in a smaller font.

APPLIED DATA SCIENCE CAPSTONE PROJECT

THE BATTLE OF NEIGHBORHOODS



LIST OF INDIAN RESTAURANTS IN AUSTIN AREA

Prepared by

Angel John

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INTRODUCTION

- In this project, I tried to list out the Indian restaurants in Austin, TX area.
- Used Foursquare API to fetch data of Indian restaurants in particular area.
- Search the data using Foursquare API, clean the data and visualize the list of restaurants in that area.

DATA SELECTION:

- Foursquare API
- Austin Eater
- Google Maps

METHODOLOGY

- A list of all Indian Restaurants in Austin is obtained by scraping the corresponding webpage specified in the Data section. Using GeoPy Nominatim geolocator, the neighborhood coordinates are obtained. Also, folium map is also created.

LIST OF INDIAN RESTAURANTS:

	ID	Name	Category	Zip	Latitude	Longitude
0	4283ee00f964a520b8221fe3	The Clay Pit	Indian Restaurant	78701	30.279001	-97.742453
1	4fba7fefe4b05dd0d72db3eb	Tarka Indian Kitchen	Indian Restaurant	78757	30.357091	-97.735322
2	4ab192a5f964a5200c6a20e3	Tarka Indian Kitchen	Indian Restaurant	78745	30.231031	-97.817509
3	4f1344c8e4b03856f23b5e8b	Asiana Indian Cuisine	Indian Restaurant	78745	30.190519	-97.772478
4	4b1219b8f964a5200e8923e3	G'Raj Mahal Cafe	Indian Restaurant	78701	30.258324	-97.738793
5	51678475e4b033680b2b9c30	Teji's Indian Restaurant	Indian Restaurant	78705	30.283947	-97.742057
6	5565fe94498e38737acbb7c4	Saffron Indian & Nepalese Cuisine	Indian Restaurant	78731	30.354800	-97.756009
7	49ce2f24f964a5201c5a1fe3	Bombay Express	Indian Restaurant	78753	30.411125	-97.676020
8	440ec935f964a520a0301fe3	Star Of India	Indian Restaurant	78757	30.359569	-97.736675
9	4b3bf6c6f964a5205a7f25e3	Teji's Indian Restaurant	Indian Restaurant	78681	30.510775	-97.694479
10	4513f1adf964a520c9391fe3	Bombay Bistro - Research Blvd	Indian Restaurant	78759	30.398904	-97.747320
11	567ecc23498e44dfa1aabedb	Tarka Indian Kitchen	Indian Restaurant	78758	30.400802	-97.722877

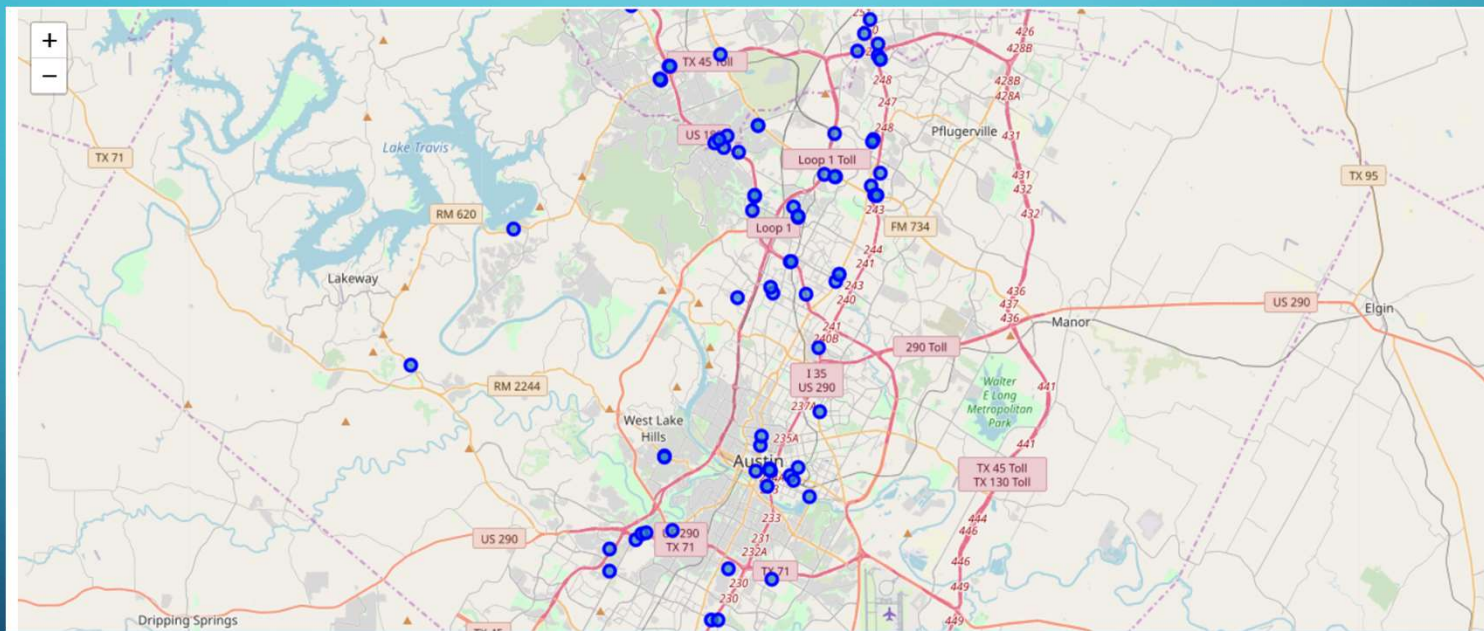
CONTINUE.....

78	57681095498e991e374da845	Evans BBQ - Indian & Pakistani	Indian Restaurant	78259	29.636999	-98.451681
79	5bbab304250cab002cb2f309	Jubilee Indo-Pak Restaurant	Indian Restaurant	78259	29.636059	-98.452418
80	5ad39eddc47cf95978575569	East Buffet	Indian Chinese Restaurant	78744	30.190350	-97.768070
81	54387cc1498e918b44b83d7c	Nala's, The Culinary Expert	South Indian Restaurant	78613	30.531939	-97.779939
82	59dd072ca6fe4d7ffc8d427	Puli-Ra	South Indian Restaurant	78652	30.216429	-97.761980
83	57b216e9498ec8f7e477a0bb	Bollywood Indian Grill	South Indian Restaurant	78758	30.395756	-97.720139
84	577e8883498eeb45aae5bafb	Indian Food Truck Thursdays	North Indian Restaurant	78759	30.428542	-97.755973
85	582662c97448d25adae125a2	Bawarchi Biryani Point	South Indian Restaurant	78729	30.435287	-97.767616
86	5b79ead7840fc2002c98aa66	Sangam Chettinad Indian Cuisne	South Indian Restaurant	78727	30.442171	-97.743990
87	576d869a498e62822f36a0c4	Godavari	South Indian Restaurant	78728	30.433937	-97.675073
88	58e6468ee1109534ed940b7b	Biryani-N-Grill	South Indian Restaurant	78717	30.472608	-97.797085
89	5c6a21f8178a2a002c74aea5	Salt N Pepper	South Indian Restaurant	78613	30.526979	-97.808058
90	5607532a498e3a95ff3efb5a	Bombay to Kathmandu Kitchen	Indian Chinese Restaurant	78753	30.366632	-97.695473

DISCUSSION

- From the data frames above, it is observed that Austin has 90 Indian Restaurants around that area.
- As I stated above, using folium I created a map with the venues which is showing the Indian Restaurants in Austin area as shown below.

VISUALIZATION



CONCLUSION

- The analysis brought the list of Indian Restaurants in Austin area using Foursquare API.



BON APPETIT