Data:

Chicago Neighborhoods:

Unlike New York city, Chicago city does not have boroughs. The city of Chicago is divided into community areas and neighborhoods. Chicago is divided into 77 community areas for statistical and planning purposes. Census data and other statistics are tied to the areas.
The areas are distinct from but, related to the more numerous neighborhoods of Chicago; an area often corresponds to a neighborhood or encompasses several neighborhoods. Project explores the data from the view of neighborhoods. File of community areas and neighborhoods is stored in google cloud storage bucket.

GeoPy:

geopy makes it easy for Python developers to locate the coordinates of addresses, cities, countries, and landmarks across the globe using third-party geocoders and other data sources. Project uses geopy.geocoders for getting latitude and longitude coordinates.

Foursquare app:

Foursquare app is used for getting Nearby Venues.

Folium:

Folium is used for mapping Chicago and neighbor hoods. Folium makes it easy to visualize data that's been manipulated in Python on an interactive leaflet map

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K-Means Clustering

K-Means Clustering is an unsupervised machine learning algorithm. K-Means is used for classification and assigning groups.