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[52]: # CCAFS LC-40 Launch Site Coordinates
         launch_site_lat = 28.562302
launch_site_lon = -80.577356
         # Coordinates of the closet COASTLINE
         coastline_lat = 28.56321
         coastline lon = -80.56801
         distance_coastline = calculate_distance(launch_site_lat, launch_site_lon, coastline_lat, coastline_lon)
         print(f'Distance to Coastline: {round(distance_coastline,2)} km')
         # Create and add a folium.Marker on the selected point on the map
distance_marker = folium.Marker(
              [coastline_lat, coastline_lon],
              icon=DivIcon(
                  icon_size=(20,20),
                 icon_anchor=(100,-10),
html=f'<div style="font-size:12px; color:#222; font-weight:bold; width:200px;">Coastline {round(distance_coastline,2)} km</div>',
             ).add to(launch site map)
         Distance to Coastline: 0.92 km
   [50]: # CCAFS LC-40 Launch Site Coordinates
         launch_site_lat = 28.562302
launch_site_lon = -80.577356
          # Coordinates of the closet RAIL LINE
         rail_line_lat = 28.57209
         rail_line_lon = -80.58520
         distance_rail_line = calculate_distance(launch_site_lat, launch_site_lon, rail_line_lat, rail_line_lon)
         print(f'Distance to Rail Line: {round(distance_rail_line,2)} km')
         # Create and add a folium. Marker on the selected point on the map
         distance_marker = folium.Marker(
              [rail_line_lat, rail_line_lon],
             icon=DivIcon(
                 icon_size=(20,20),
                  icon anchor=(-40,-20),
                 html=f'<div style="font-size:12px; color:#222; font-weight:bold; width:200px;">Rail Line {round(distance_rail_line,2)} km</div>',
             ).add_to(launch_site_map)
         Distance to Rail Line: 1.33 km
   [51]: # Coordinates of a point on the ROAD circling the Launch site
         road_lat = 28.561695
road_lon = -80.575553
         distance_road = calculate_distance(launch_site_lat, launch_site_lon, road_lat, road_lon)
         print(f'Distance to Road: {round(distance_road,2)} km')
         # Create and add a folium.Marker on the selected point on the map
         distance_marker = folium.Marker(
              [road lat, road lon],
              icon=DivIcon(
                 icon_size=(20,20),
                  icon_anchor=(10,0),
                 html=f'<div style="font-size:12px; color:#222; font-weight:bold; width:160px;">Perimeter Road {round(distance_road,2)} km</div>',
             ).add_to(launch_site_map)
         Distance to Road: 0.19 km
54]: # Coordinates of a City(Cape Canaveral, Florida) near to the launch site
      city_lat = 28.6115
      city_lon = -80.8077
      distance_road = calculate_distance(launch_site_lat, launch_site_lon, city_lat, city_lon)
      print(f'Distance to Road: {round(distance_road,2)} km')
      # Create and add a folium.Marker on the selected point on the map
      distance_marker = folium.Marker(
           [road_lat, road_lon],
           icon=DivIcon(
                icon_size=(20,20),
                icon_anchor=(10,0),
                html=f'<div style="font-size:12px; color:#222; font-weight:bold; width:160px;">Perimeter Road {round(distance_road,2)} km</div>',
           ).add_to(launch_site_map)
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Distance to Road: 23.15 km