📊 Cognifyz Internship Data Analysis Report

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Internship Level: Level 1 and Level 2 (All Tasks)
Company: Cognifyz Technologies**.**

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◆ Internship Introduction

- I completed a Data Analysis Internship at **Cognifyz Technologies**, where I analyzed restaurant data using Python(Pandas, numpy, Matplotlib, seaborn)

- I successfully completed **Level 1** and **Level 2** tasks, focusing on cuisines, ratings, city trends, price range, online delivery, and restaurant chains.

Level 1 Tasks

◆ **Task 1: Top Cuisines**

The top 3 most common cuisines in the dataset are:

- North Indian (3960 restaurants, 41.46%)

- Chinese (2735 restaurants, 28.64%)

- Fast Food (1986 restaurants, 20.79%)

  : North Indian cuisine is the most widely served across restaurants.

◆ **Task 2: City Analysis**

- City with the most restaurants: **New Delhi** (5473 restaurants)

- City with the highest average rating: **Inner City** (Avg rating: 4.9)
  : **New Delhi is a hub of restaurants, while Inner City offers the best-rated experiences.**

◆ **Task 3: Price Range Distribution**

- Most restaurants fall into **Price Range 1** (affordable).

- Distribution: 46.53% in range 1, 32.59% in range 2, 14.74% in range 3, and 6.14% in range 4.
  : **Majority of restaurants are budget friendly.**

◆ **Task 4: Online Delivery**

- Restaurants offering online delivery: **25.66%**

- Average Rating: Delivery – 3.67, No Delivery – 3.25
  : **Online delivery restaurants have slightly better ratings.**

Level 2 Tasks

◆ **Task 1: Restaurant Ratings**

- Most ratings fall in the **3.0 to 4.0** range

- Average number of votes per restaurant: **156.91**
  : **Ratings are generally moderate, with a decent amount of customer feedback.**

◆ **Task 2: Cuisine Combinations**

- Common combos: North Indian ,North Indian+ Chinese, Fast Food

- Best-rated combo: **Italian + Deli, American + Coffee and Tea, American + BBQ + Sandwich (4.9 Avg_rating)**

  :**Some combinations attract better customer satisfaction.**

◆ **Task 3: Geographic Analysis**

- Dense clusters of restaurants found in **New Delhi**, **Bangalore** and **Hyderabad**
  : **These cities are top hotspots for food businesses.**

◆ **Task 4: Restaurant Chains**

- 734 restaurants were found with more than one outlet (chains)
- Top chains include Cafe Coffee Day (83), Domino's Pizza (79), Subway (63), Green Chick Chop (51), and McDonald's (48)
- Highest-rated chain: 10 Downing Street (4.00 Avg Rating, 670 Votes)
  : **These brands maintain consistent presence and popularity.**