# OSINT Challenge Report

## Digitanotion Limited

#### Abdulazeez Uthman

#### [abdulazeezuthman662@gmail.com](mailto:abdulazeezuthman662@gmail.com)

#### Friday, 28 March, 2025

Executive Summary

In this OSINT investigation, I was tasked with uncovering information about a restaurant using only an image. The objective was to identify the restaurant’s name, contact details, website, founding year, and a specific webpage using open-source intelligence (OSINT) tools.

To achieve this, I used several OSINT tools:

• Google Reverse Image Search – Provided general results but was not very effective.

• Yandex Image Search – Did not yield useful results for this investigation.

• TinEye – The most effective tool, helping me find relevant matches for the restaurant.

Key Findings:

1. The restaurant’s name was identified using TinEye.

2. The official website and contact details were obtained through further searches.

3. Google Dorking helped uncover the specific URL for the “Katz’s Corned Beef Secrets” page.

4. Additional business details, including the founding year, were found through online sources.

This investigation demonstrated how OSINT techniques can be applied in real-world cybersecurity scenarios, emphasizing the importance of selecting the right tools for effective information gathering.

My Investigation Details

## Tools and Techniques Used

In this investigation, I used the following OSINT tools to uncover information about the restaurant:

• Google Reverse Image Search – I started my search by uploading the restaurant image using Google’s reverse image search tool. It provided a large number of results, but they were too broad and not specific enough for my investigation.

• Yandex Image Search – I then attempted to use Yandex for image searching. However, I found it difficult to interpret the results and did not get the detailed information I was looking for.

• TinEye – This was the most effective tool. When I uploaded the image, TinEye provided exact matches and led me to sources that helped identify the restaurant’s name and location.

• Google Dorking – After identifying the restaurant, I used Google Dorking techniques to find more details, such as its website, contact information, and specific pages related to the investigation.

## Process

To uncover the required information, I followed these steps:

Step 1: Identifying the Restaurant’s Name

• I uploaded the restaurant image to Google Reverse Image Search, but the results were too broad.

• I then tried Yandex, but it did not provide useful insights i want.

• Finally, I used TinEye, which led me to relevant sources that helped me identify the restaurant’s name.

Step 2: Finding the Website and Contact Information

• After identifying the name, I searched for the official website and business directories.

Step 3: Using Google Dorking for Additional Information

• To find specific pages, such as the “Katz’s Corned Beef Secrets” page, I used Google Dorking techniques.

• Example Google Dork query: ( site:inurl:'katz's corned beef secrets' page )

This allowed me to locate the exact URL of the page.

# My Findings

The Restaurant Name is Katz's Delicatessen

Restaurant Phone Number is (800) 446-8364

Website <https://katzsdelicatessen.com/>

Established in 1888

**Katz's Corned Beef Secrets URL** [**https://katzsdelicatessen.com/**](https://katzsdelicatessen.com/)

**Google Dork Payload used to get the URL above** ( site:inurl:'katz's corned beef secrets' page ), (<https://foursquare.com/city-guide>).

### **Challenges Faced**

During the investigation, I encountered several challenges:

1. Overwhelming Search Results from Google Reverse Image Search

• When I first used Google Reverse Image Search, the results were too broad and not specific to my investigation. It was difficult to filter through the large number of images and pages.

• Solution: I decided to try alternative tools like TinEye, which provided more precise matches relevant to my search.

2. Limited Understanding of Yandex

• While using Yandex, I struggled to interpret the results effectively due to my limited experience with the platform.

• Solution: I focused on using TinEye, which yielded better results, and I plan to continue learning Yandex for future investigations.

3. Difficulty Finding Specific Web Pages

• Locating the “Katz’s Corned Beef Secrets” page was challenging because a direct search did not yield the exact URL.

• Solution: I applied Google Dorking techniques, which allowed me to refine my search and find the exact page efficiently.

Despite these challenges, I was able to successfully complete the investigation by adapting my approach and using the most effective OSINT tools.

### **Lessons Learned**

This OSINT investigation taught me valuable skills in cybersecurity:

1. OSINT is a Powerful Cybersecurity Tool

• I learned how publicly available data can be used to gather critical information, just like in real-world penetration testing.

2. Choosing the Right Tool Matters

• Google Reverse Image Search gave broad results, but TinEye was more effective for finding exact matches. This showed me that selecting the right OSINT tool is important.

3. Google Dorking is Useful for Finding Hidden Information

• Using Google Dorking helped me locate specific pages that were not easily visible through normal searches.

4. Problem-Solving is Key in Cybersecurity

• I faced challenges, like too many search results and difficulty using Yandex, but I learned to adapt and use better methods to find what I needed.

This experience helped me understand how OSINT applies to real-world cybersecurity investigations.

### **Recommendations**

To improve future OSINT investigations, I suggest the following:

1. Expand Knowledge of OSINT Tools

• Learning how to use multiple OSINT tools effectively, including Yandex and advanced Google Dorking techniques, will improve investigation efficiency.

2. Use Automation for Efficiency

• Exploring automated OSINT tools like Maltego or SpiderFoot can help speed up data collection and analysis.

3. Develop Better Filtering Strategies

• When using search engines, refining queries and using advanced filters can reduce irrelevant results and make information gathering more effective.

4. Practice Ethical OSINT Techniques

• Always ensure compliance with ethical and legal guidelines when conducting OSINT investigations to avoid unauthorized data access.

By implementing these recommendations, future OSINT tasks can be conducted more efficiently and effectively.

**I confirm that this report is my original work and accurately reflects my investigation for this OSINT challenge.  
Signature:** [Abdulazeez Uthman].