**Project Title: Recommendation System for Perfume**

**Abstract**

Fragrance is not only about scent, it tells your personality, or the impression you want to leave on people. Every person has a different taste and will like distinct scents. So, this is what I’m doing to find and recommend the flawless perfume that matches one’s choice.

**Objective:a**

Build a recommendation system that helps the customers to find perfumes that corresponds to their personality.

**Details of the Data:**

Initially I searched a lot for a dataset but could not find any that matched the features I wanted. So, the best option I found was to web-scrape a fragrance website and get the data. The website I chose for this is  [https://www.fragrancenet.com/ni/fragrances?f=1f!3D/1f!6](https://www.fragrancenet.com/ni/fragrances?f=1f!3D/1f!6" \t "_blank).

The data I scraped from this website are two tables. One table consists of perfume data which includes:

* Brand of the perfume
* Perfume Name
* Notes of the Perfume
* Gender (Male/Female/Unisex)
* Category (EDT, EDP, Perfume etc.)
* Recommended Time
* Year Introduced (when was the perfume released into the market)

The second table is user rating data:

* Rating value: 0-5
* Review
* Customer\_id

This is the data I tried and achieved to scrape till now, I will scrape few more features in future if required.

**Design Flow:**

These are the things I would like to perform to achieve results:

* Web scraping
* Data Preprocessing
* EDA (Exploratory Data Analysis)
* Data visualization
* Data modeling
* Model evaluation