Final project

Building AI Products

RAG application

A "Shopping Assistant" application using the RAG architecture would retrieve and aggregate data about products from a store database. It would generate personalized shopping lists based on user preferences and needs, allowing users to add, remove, and modify items easily. The application could provide help for users to make informed purchasing decisions.

Specifics...

- **The type of "Chat with your data"**
  - Personalized Recommendations
  - Product Comparisons
  - Product Reviews and Ratings
  - Shopping List Management
- **The data you will use for your application**
  - Sephora Products and Skincare Reviews-Kaggle Dataset
    - Format: CSV tabular file
    - Size: 8494 products, 27 variables
    - Variables:Name,Size, Price,Rating, Category, Ingredients, Reviews …
- **Any challenges?**
  - Manage tabular data (ingredients)
  - Lack of strong programming ability
- **Any specific parts of the RAG architecture you want to focus on**
  - Creating an assistant that helps consumers understand if the purchase they are making is the best one
  - Offer tailored recommendations, and insights into factors such as price, quality, and reviews.
  - Additionally, it can dynamically adapt the conversation based on the consumer's preferences,

Example

- ChatGPT provides vague or incorrect responses
- In the database, there are just over 400 products containing salicylic acid, including shampoos, creams, makeup, etc.
- Consumers like me, with allergies, waste time checking the tiny ingredient list on products, resulting in bad purchases.
- Having this type of assistant, would add value to the customer experience
- Submitting the shopping list and receiving feedback and suggestions for similar, correct products.
- Ask for specific kind of products (vegan, most rated, new)

Example

ChatGPT 3.5 ∨

You
I'm allergic to aspirin, is it safe to use
Asepxia Jabón En Barra Farma Azufre 100g?

ChatGPT
Since Asepxia Jabón En Barra Farma Azufre contains sulfur, not aspirin, it should be safe for you to use if you're allergic to aspirin. However, if you have any concerns or if you're unsure about how your body might react to this product, it's always best to consult with a healthcare professional before using it. They can provide personalized advice based on your specific allergy and medical history.

You
I'm allergic to salicylic acid, is it safe to use
Asepxia Jabón En Barra Farma Azufre 100g?

ChatGPT
Since you're allergic to salicylic acid, it's essential to be cautious when using products that may contain it. While Asepxia Jabón En Barra Farma Azufre primarily contains sulfur, it's always wise to check the full list of ingredients to ensure it doesn't contain any form of salicylic acid. If you're uncertain, consider reaching out to the manufacturer for clarification or consulting with a healthcare professional before using the product. Your safety is paramount, so it's crucial to take proactive steps to avoid any potential allergic reactions.

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DEMO