



ANNIE MENESES GONZALEZ



ICELAND TRAVEL

AI Assistant

Retrieval Augmented Generation (RAG) Challenge



Introduction

WHAT IS THE PROJECT ABOUT?

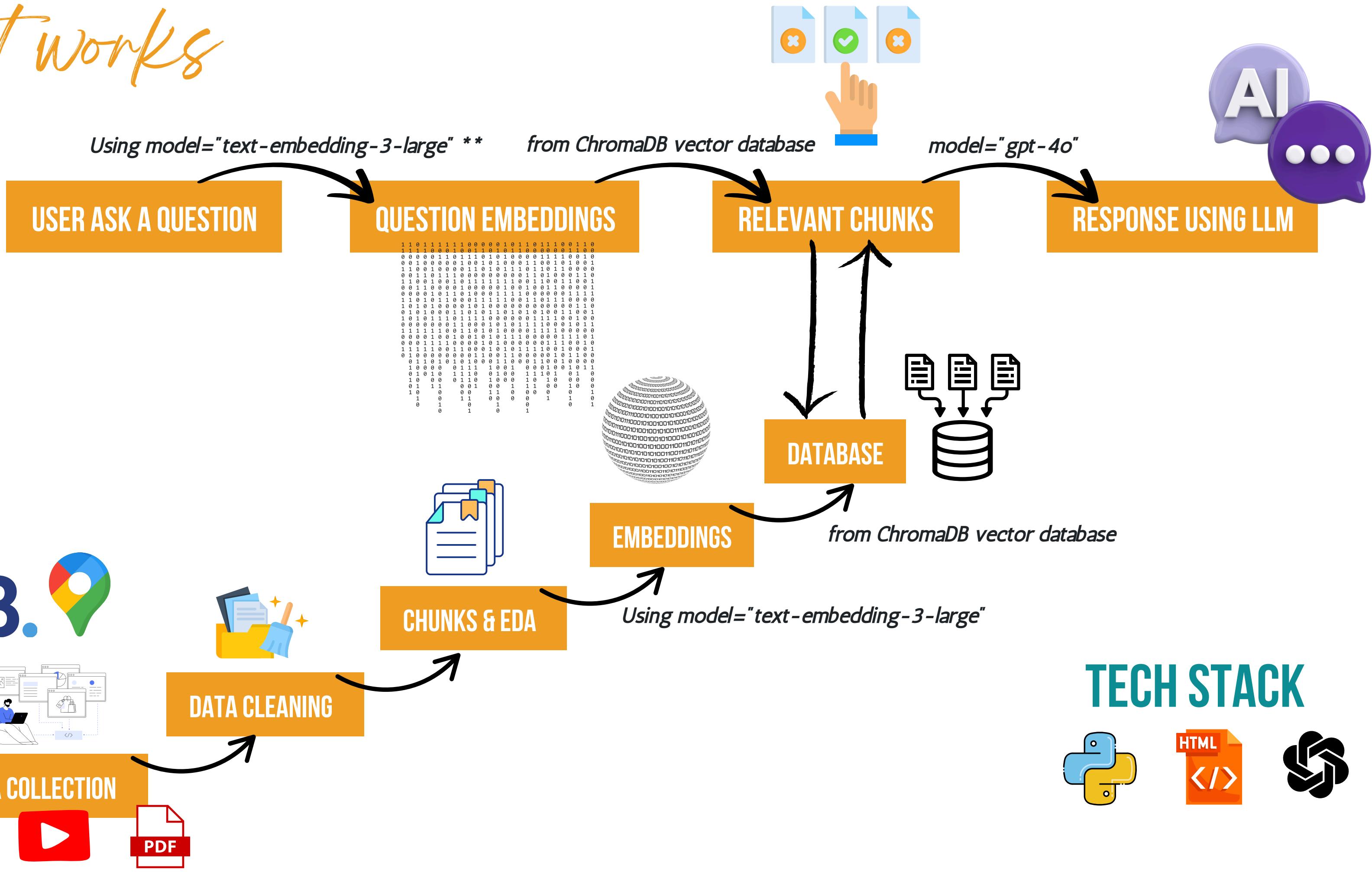
An AI-powered chatbot that provides real-time travel advice about Iceland by using ChromaDB to store and retrieve document embeddings. When a user asks a question, the system searches ChromaDB for the most relevant travel-related documents and then connects to a Large Language Model (gpt-4o) to generate a response based on the retrieved information.

Why Iceland?

- Is my favorite country ❤️
- Many travelers struggle to plan and create detailed itineraries efficiently



How it works



APP DEMO



Iceland Travel AI Assistant

NOW, LET'S SEE THE AI TRAVEL ASSISTANT IN ACTION!

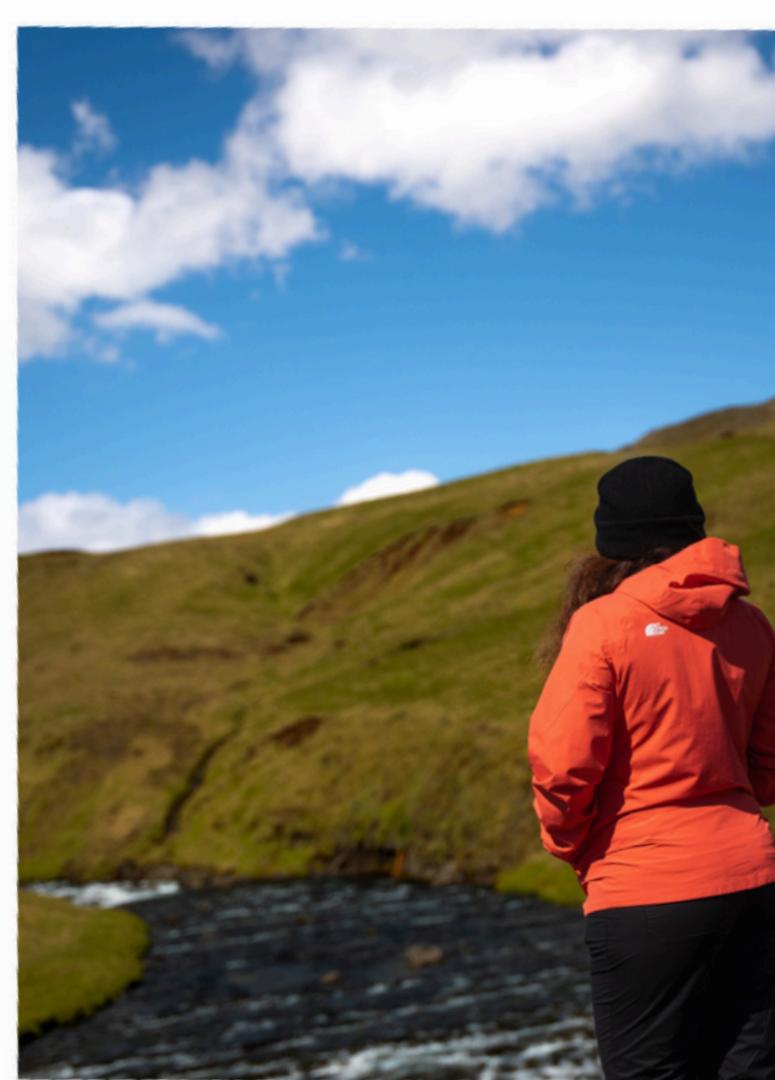
Quick overview of what the demo will show:

- Asking travel questions.
- How the AI responds using ChromaDB.
- Testing different queries.





Conclusion AND FINAL THOUGHTS

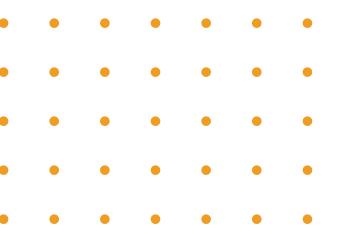


→ The AI-powered travel assistant, leveraging the RAG system, has proven to be effective in providing meaningful and accurate travel insights.

To validate its performance, responses were tested using LLM as a judge, where the AI consistently achieved a high accuracy score, 9 out of 10 being the most common rating.

→ Next Steps:

- Further cleaning of the database
- Expand Iceland database
- Expand beyond Iceland





THANK *You*
FOR YOUR ATTENTION