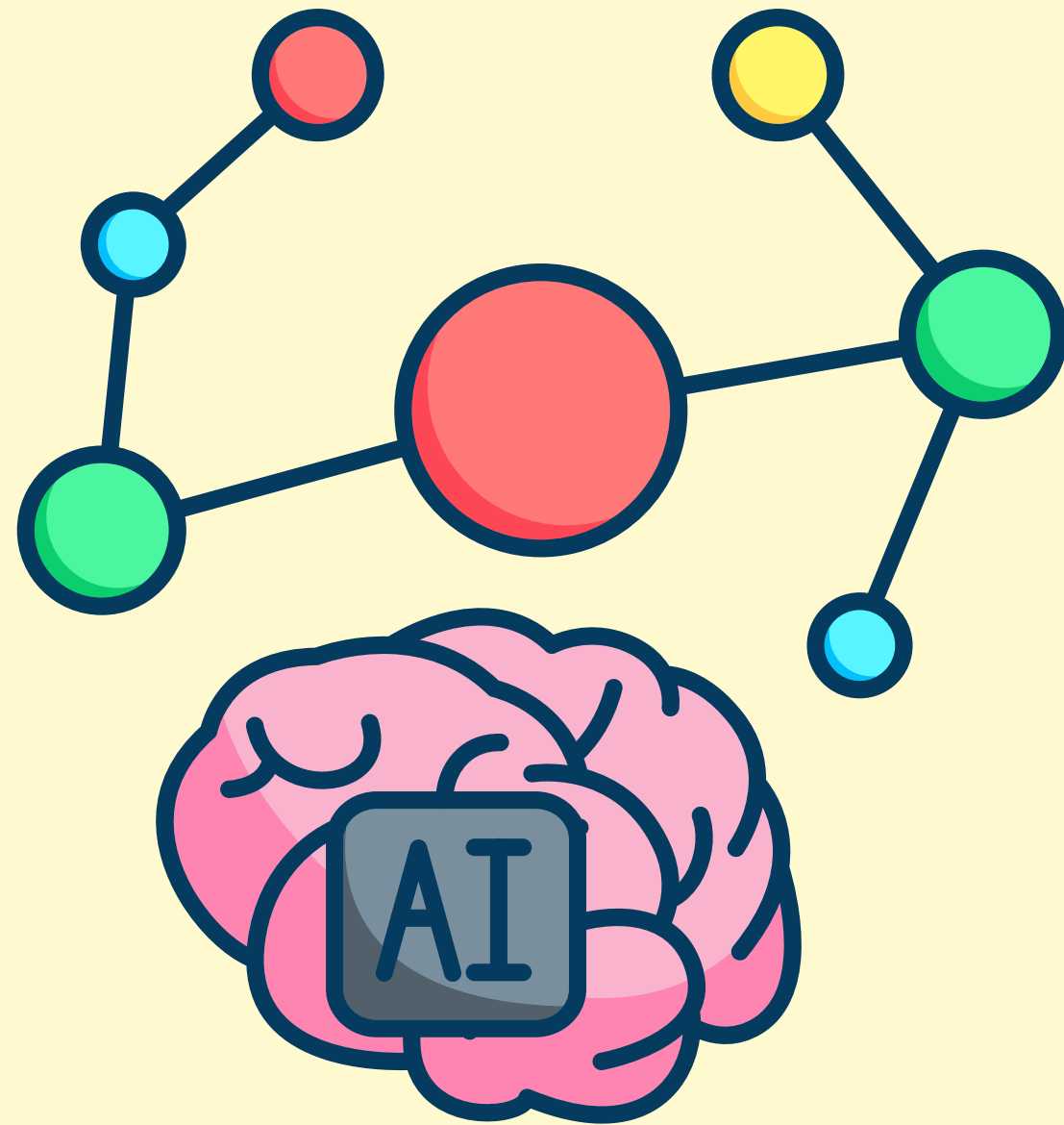


Hypermode Knowledge Graph + AI Challenge

Building a model-native app using knowledge graphs
and the open source Modus API framework



Team

TravelMate

- Shashank Shekhar Singh
Junior Student @IIT BHU,
Varanasi, India



Hey, my dad got a sponsored trip to India, but I don't know where to visit! 😞

No, what's that? 🤔

Omg!! Haven't you heard of Travelmate?

It's an awesome tool to plan trips! Let me tell you more about it... 😊



Problem analysis and breakdown

The Challenge

1. Deciding where to visit is tough due to a lack of reliable, personalized, and relevant travel information.
2. Trusted platforms give generic recommendations, often missing personal preferences.
3. Personalized tools are scarce and fail to fully match unique interests.

The Need

1. A smart tool to deliver customized, trustworthy itineraries.
2. Must combine user preferences (dates, regions, interests) with real-time, accurate data.
3. A seamless solution for tailored travel experiences.



Travelmate is a smart travel planning tool designed to enhance your journey. Whether you're visiting a city or exploring a new country, Travelmate helps you discover the best places to visit.



Personalized Picks

It suggests places to visit within a city / country based on your preferences, mood, and the type of place you enjoy e.g., historical, relaxing or adventurous

1

Destination Insights

It offers details about popular attractions, hidden gems, and must-visit spots in any location.

2

Plan Highlights

It offers a Itenary planned on the basis of world-data to help users start their day off smartly.

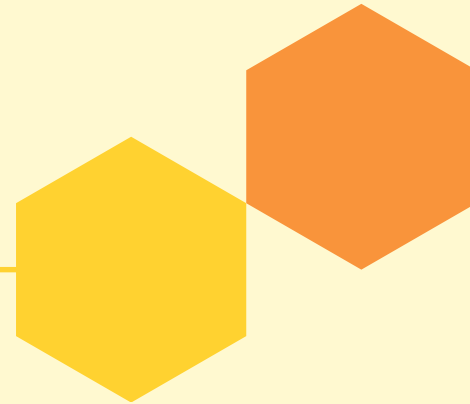
3

**Key
Features**

Key Components Used

Hypermode

Hypermode is a managed service that provides the workbench and infrastructure to create powerful, engaging, and secure AI assistants, APIs, and backend services.

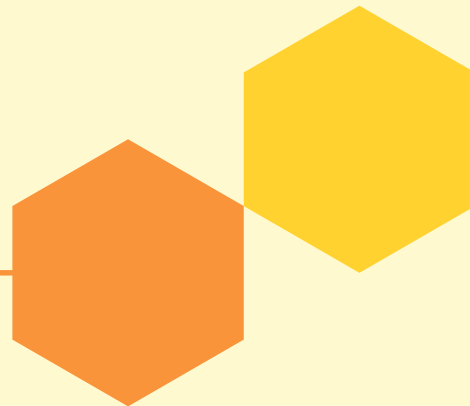


Neo4J

A graph database that uses the **Cypher** query language to perform **CRUD** (Create, Read, Update, Delete) operations on graph-based data. It enables seamless handling of relationships between data points.

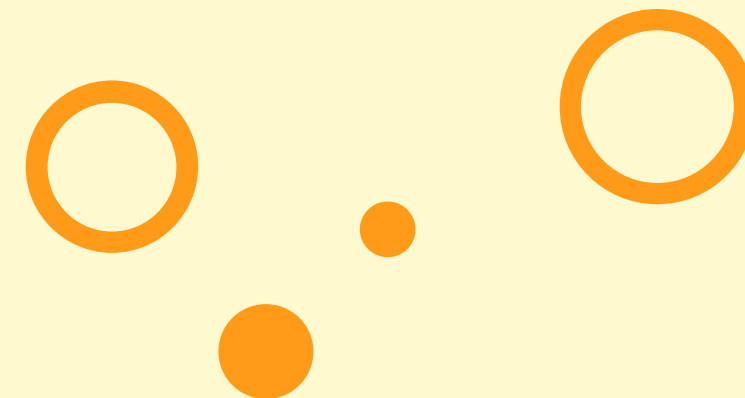
Modus

Modus is an open source, serverless framework for building functions and APIs, powered by WebAssembly.

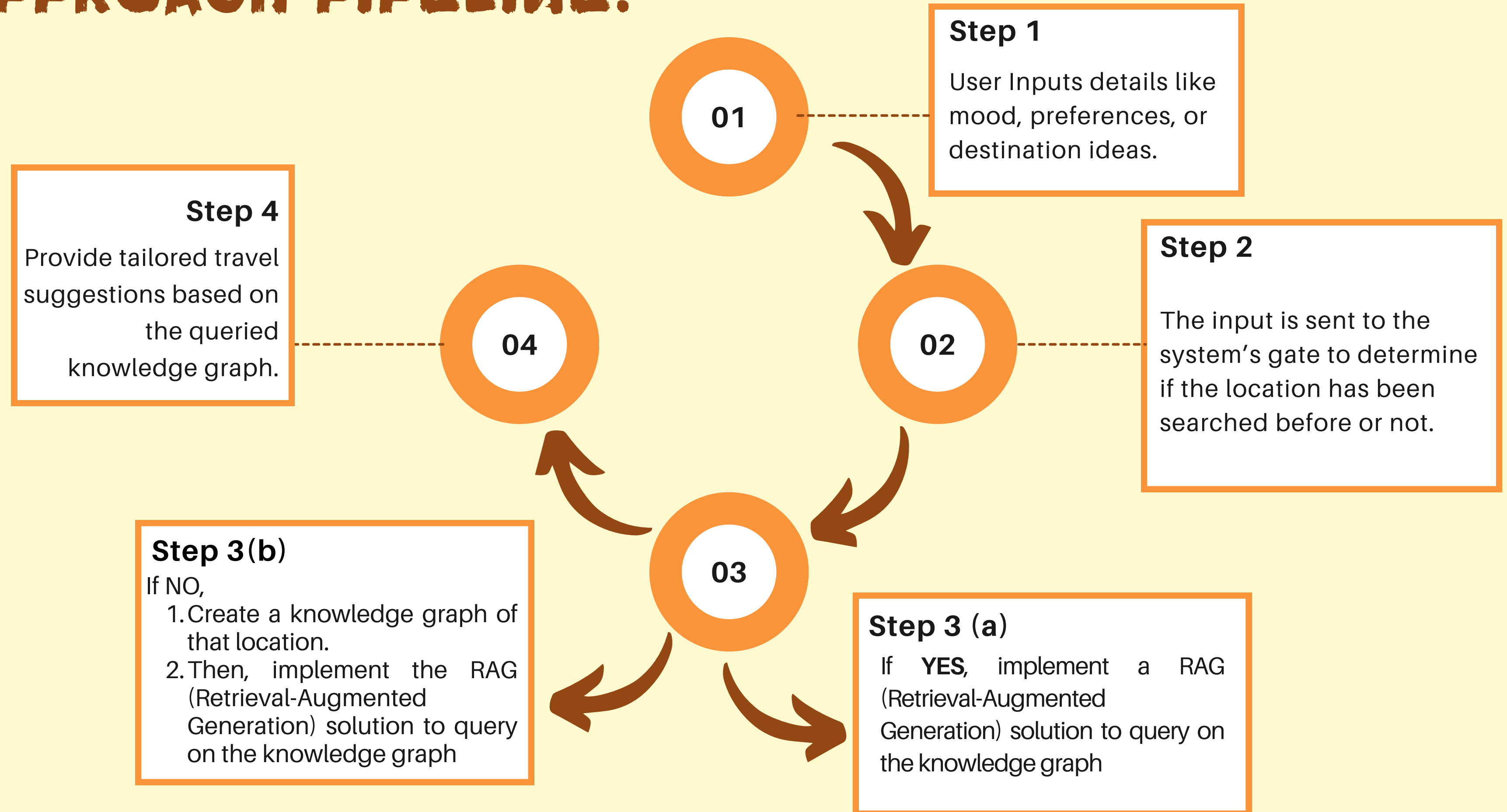


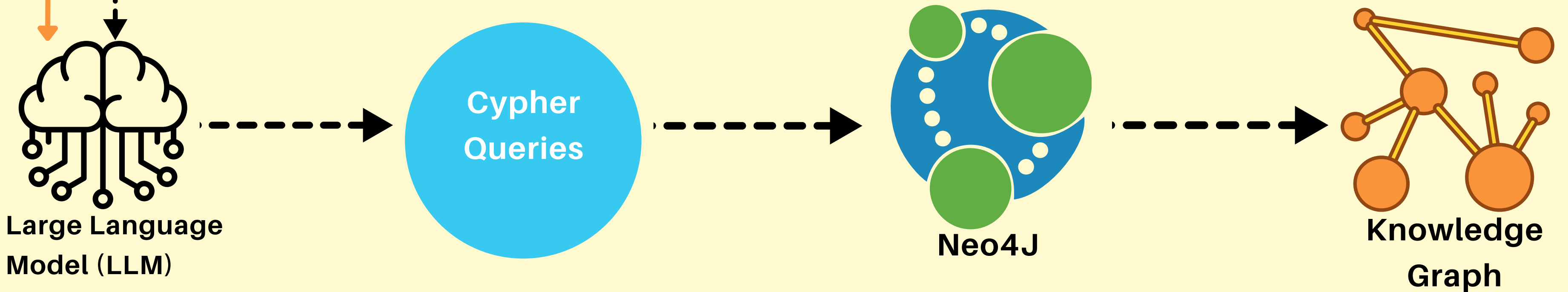
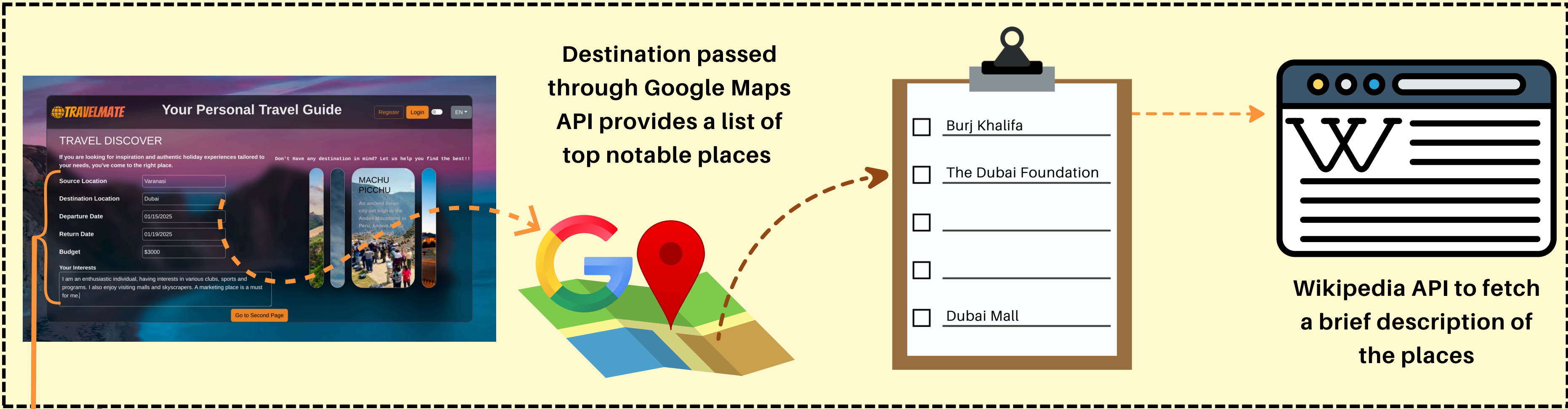
Knowledge Graph

A structured database that connects and organizes information about places, moods, and user preferences. It powers our recommendation engine by linking relevant data and generating insightful travel suggestions.



APPROACH PIPELINE:







Thank you!