SCHOOL OF COMPUTER SCIENCE ENGINEERING AND INFORMATION SYSTEMS

Mtech Integrated Software Engineering

COURSE: Generative AI Applications using Vertex AI

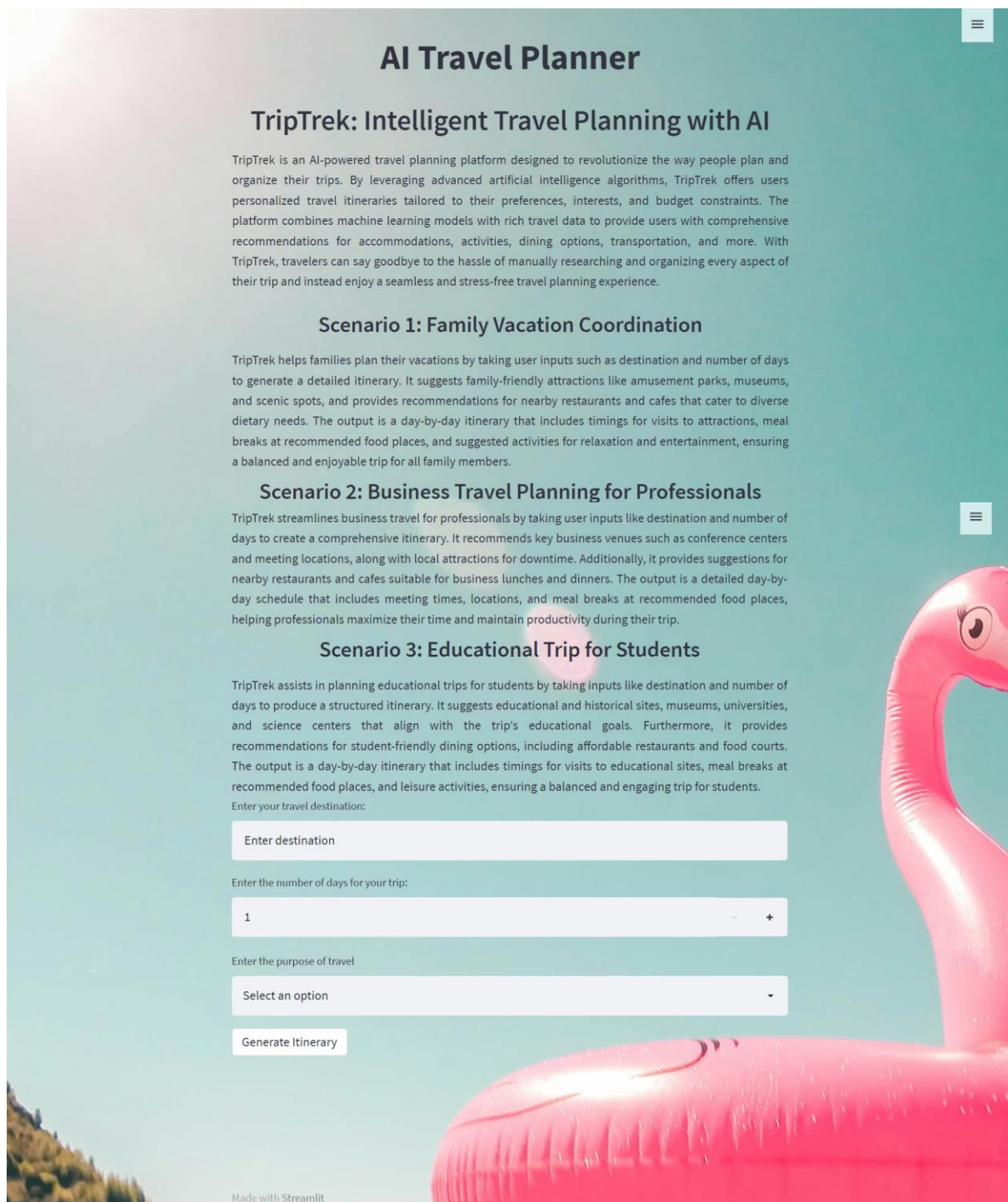## TITLE: TripTrek: Intelligent Travel Planning Using Using Palm's Chat-Baison-001

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OUTPUT SCREENSHOTS:

AI Travel Planner

TripTrek: Intelligent Travel Planning with AI

TripTrek is an AI-powered travel planning platform designed to revolutionize the way people plan and organize their trips. By leveraging advanced artificial intelligence algorithms, TripTrek offers users personalized travel itineraries tailored to their preferences, interests, and budget constraints. The platform combines machine learning models with rich travel data to provide users with comprehensive recommendations for accommodations, activities, dining options, transportation, and more. With TripTrek, travelers can say goodbye to the hassle of manually researching and organizing every aspect of their trip and instead enjoy a seamless and stress-free travel planning experience.

Scenario 1: Family Vacation Coordination

TripTrek helps families plan their vacations by taking user inputs such as destination and number of days to generate a detailed itinerary. It suggests family-friendly attractions like amusement parks, museums, and scenic spots, and provides recommendations for nearby restaurants and cafes that cater to diverse dietary needs. The output is a day-by-day itinerary that includes timings for visits to attractions, meal breaks at recommended food places, and suggested activities for relaxation and entertainment, ensuring a balanced and enjoyable trip for all family members.

Scenario 2: Business Travel Planning for Professionals

TripTrek streamlines business travel for professionals by taking user inputs like destination and number of days to create a comprehensive itinerary. It recommends key business venues such as conference centers and meeting locations, along with local attractions for downtime. Additionally, it provides suggestions for nearby restaurants and cafes suitable for business lunches and dinners. The output is a detailed day-by-day schedule that includes meeting times, locations, and meal breaks at recommended food places, helping professionals maximize their time and maintain productivity during their trip.

Scenario 3: Educational Trip for Students

TripTrek assists in planning educational trips for students by taking inputs like destination and number of days to produce a structured itinerary. It suggests educational and historical sites, museums, universities, and science centers that align with the trip's educational goals. Furthermore, it provides recommendations for student-friendly dining options, including affordable restaurants and food courts. The output is a day-by-day itinerary that includes timings for visits to educational sites, meal breaks at recommended food places, and leisure activities, ensuring a balanced and engaging trip for students.

Enter your travel destination:

> Enter destination

Enter the number of days for your trip:

> 1   —   +

Enter the purpose of travel

> Select an option   ▾

Generate Itinerary

Made with Streamlit

GENERATING ITINERARY: FOR TOURISM

Enter your travel destination:

Chennai

Enter the number of days for your trip:

2   −   +

Enter the purpose of travel

Tourism   ▾

Generate Itinerary

Itinerary generated successfully!

Generated Itinerary:

Day 1:

* **Morning:**
  * Arrive at Chennai International Airport (MAA)
  * Take a taxi to your hotel (The Park Chennai, The Leela Palace Chennai, or The Taj Coromandel Chennai are all good options)

  * Check in to your hotel and leave your luggage
  * Head to the Marina Beach for a walk and to watch the sunset
  * Have dinner at a nearby restaurant (try the seafood!)

* **Afternoon:**
  * Visit the Kapaleeshwarar Temple, a Hindu temple dedicated to Shiva
  * Take a walk through the Mylapore neighborhood, which is home to many temples and churches
  * Have lunch at a local restaurant (try the idli and dosa!)
  * Visit the Chennai Museum, which houses a collection of artifacts from the city's history

* **Evening:**
  * Catch a show at the Madras Talkies, a restored art deco cinema
  * Have dinner at a restaurant in the city center (try the biryani!)

Day 2:

Generated Itinerary:

* **Morning:**
  * Visit the Fort St. George, a British colonial fortress
  * Take a walk through the Government Museum, which houses a collection of artifacts from all over India
  * Have lunch at a local restaurant (try the vada pav!)
  * Visit the Chennai Central Railway Station, one of the busiest train stations in India

* **Afternoon:**
  * Take a ferry to the island of Srirangam, which is home to the Srirangam Temple, a Hindu temple dedicated to Vishnu
  * Have lunch at a restaurant on the island (try the tamarind rice!)
  * Visit the Arulmigu Patteeswarar Temple, a Hindu temple dedicated to Shiva

* **Evening:**
  * Catch a movie at the Sathyam Cinemas, a multiplex cinema

Generated Itinerary:

* **Evening:**
  * Catch a movie at the Sathyam Cinemas, a multiplex cinema
  * Have dinner at a restaurant in the city center (try the masala dosa!)

Meeting Places:

* The Park Chennai: The Park Chennai is a luxury hotel located in the heart of the city. It is a popular meeting place for business travelers and tourists alike. The hotel has a number of meeting rooms and event spaces, as well as a restaurant, bar, and spa.
* The Leela Palace Chennai: The Leela Palace Chennai is a five-star hotel located in the city center. It is a popular meeting place for business travelers and tourists alike. The hotel has a number of meeting rooms and event spaces, as well as a restaurant, bar, and spa.
* The Taj Coromandel Chennai: The Taj Coromandel Chennai is a five-star hotel located on the banks of the Adyar River. It is a popular meeting place for business travelers and tourists alike. The hotel has a number of meeting rooms and event spaces, as well as a restaurant, bar, and spa.

FOR BUSINESS:

Enter your travel destination:

Chennai

Enter the number of days for your trip:

2   −   +

Enter the purpose of travel

Business   ▾

Generate Itinerary

Itinerary generated successfully!

Generated Itinerary:

Day 1:
* **Morning:**
    * Arrive at Chennai International Airport (MAA)
    * Take a taxi to your hotel, The Park Chennai
    * Check in to your hotel and leave your luggage
    * Head to the nearby restaurant, Saravana Bhavan, for breakfast

Generated Itinerary:

    * Visit the Marina Beach
    * Have lunch at the beachside restaurant, The Leela Palace Chennai
    * Go for a walk along the beach
    * Visit the Kapaleeshwarar Temple
    * Have dinner at the hotel restaurant

* **Evening:**
    * Attend a business meeting at the Taj Coromandel Hotel
    * Have dinner at the hotel restaurant

Day 2:
* **Morning:**
    * Attend a business meeting at the ITC Grand Chola Hotel
    * Have lunch at the hotel restaurant
    * Visit the Chennai Central Railway Station

* Visit the Kapaleeshwarar Temple
* Have dinner at the hotel restaurant

* **Evening:**
    * Attend a business meeting at the Taj Coromandel Hotel
    * Have dinner at the hotel restaurant

Day 2:
* **Morning:**
    * Attend a business meeting at the ITC Grand Chola Hotel
    * Have lunch at the hotel restaurant
    * Visit the Chennai Central Railway Station
    * Have dinner at the nearby restaurant, Woodlands
* **Evening:**
    * Head to the airport and catch your flight back home

FOR EDUCATION:

Enter your travel destination:

Hyderabad

Enter the number of days for your trip:

2   −   +

Enter the purpose of travel

Education   ▾

Generate Itinerary

Itinerary generated successfully!

Generated Itinerary:

Day 1:

* **Morning:**
    * Arrive at Rajiv Gandhi International Airport (HYD)
    * Take a taxi to your hotel (Hotel Novotel Hyderabad Airport, 1-200, Gachibowli, Hyderabad, Telangana 500032, India)

Generated Itinerary:

* Check in to your hotel and leave your luggage
* Take a walk around the hotel complex and explore the amenities
* Have lunch at the hotel restaurant
* Visit the nearby Gachibowli Stadium (3.5 km from the hotel)
* **Afternoon:**
  * Visit the Indian School of Business (ISB) (5 km from the hotel)
  * Meet with your academic advisor to discuss your course schedule and goals
  * Attend a lecture or seminar
  * Have dinner at a nearby restaurant (such as The Village Grill, 140, Gachibowli, Hyderabad, Telangana 500032, India)
* **Evening:**
  * Relax at your hotel and unwind
  * Watch a movie at the nearby PVR IMAX (1.5 km from the hotel)

Day 2:

Generated Itinerary:

* **Morning:**
  * Have breakfast at the hotel restaurant
  * Visit the nearby HITEC City (10 km from the hotel)
  * Explore the IT and business district
  * Have lunch at a restaurant in HITEC City (such as The Coffee Bean & Tea Leaf, HITEC City, Hyderabad, Telangana 500081, India)
  * Visit the nearby Cyber Towers (3 km from HITEC City)
* **Afternoon:**
  * Visit the Salar Jung Museum (5 km from Cyber Towers)
  * Explore the museum's collection of art and artifacts
  * Have dinner at a restaurant near the museum (such as The Park Hyderabad, 4-1-337, Necklace Road, Hyderabad, Telangana 500004, India)
* **Evening:**
  * Relax at your hotel and unwind
  * Watch a movie at the nearby Inox (1.5 km from the hotel)