

Creative AI Foodie Tour Planner

Overview

The Creative AI Foodie Tour Planner is a Streamlit web application that generates personalized foodie tours for one or multiple cities. Using AI-powered suggestions, it creates a delightful one-day itinerary including iconic local dishes, local trivia, drinks, desserts, and ambience. The app also fetches real-time weather and suggests indoor or outdoor dining based on conditions, along with top-rated restaurant recommendations for the iconic dishes via the Foursquare API.

Features

- Support for multiple cities input with looping through each city.
- Real-time weather check with indoor/outdoor dining recommendation.
- AI-generated creative foodie tours with breakfast, lunch, and dinner plans.
- Vegan options available via checkbox.
- Fetches top restaurants serving iconic local dishes using Foursquare API.
- Presents clickable Google Maps links for each restaurant.
- Includes fun local trivia and ambience suggestions in the tour narrative.
- Clean and user-friendly Streamlit interface.

Tech Stack

- Python 3.x
- Streamlit for UI
- OpenWeather API for weather data
- Foursquare Places API for restaurant data
- Julep AI platform for creative tour generation
- YAML for task definitions
- Regular expressions for text extraction

How It Works

1. **Input:** User enters one or more city names (comma-separated) and selects if vegan options are desired.
2. **Weather:** The app fetches current weather for each city using OpenWeather API.
3. **Tour Generation:** Uses Julep AI to generate a creative one-day foodie tour considering weather, local dishes, drinks, ambience, and trivia.

4. **Extract Dishes:** Parses the AI output to identify three iconic dishes.
5. **Restaurant Search:** For each dish, searches Foursquare for top restaurants in the city.
6. **Display:** Shows the tour narrative and top restaurants with clickable Google Maps links.

Usage

1. Download the folder.
2. Install dependencies:
 - a. `pip install streamlit requests pyyaml julep`
3. Replace the API keys in the script with your own:

- `OPENWEATHER_API_KEY`

- `JULEP_API_KEY`

- `FOURSQUARE_API_KEY`

4. Run the app:

```
streamlit run app.py
```

5. Enter one or more city names separated by commas (e.g., Paris, Bangalore) and select vegan option if desired.

6. Click "Generate Tour" to see the AI-generated foodie tours and restaurant recommendations.

API Keys:

`OPENWEATHER_API_KEY = "5aeb9e1c843f5b29d9848c9629298a40"`

`FOURSQUARE_API_KEY = "fsq3yAcq9+GTrLR7Fh1PLqCsJRwmqGDJx/A0gnO1wxQ0aSI="`