Travel Planner: AI Travel Guide using GPT-3.5 turbo for automated itinerary planning.

1. Google OAuth for authentication (For login and register)

2. LLM's (GPT3.5 Turbo): The main highlight of this project will be GPT3.5 Turbo. It is a prominent model in the family of GPT's. Our AI Chatbot will run on this LLM (Large Language model), and all the queries that the user will ask will be answered using this in real-time.

3. Frontend

Technologies: HTML, CSS, JS

Frontend is written in Vanilla JS (Plain JavaScript), there are 3 main functionalities of this app.

1. Login/Register Page: We plan to use Google OAuth (Google's Authentication for login using Google ID).
2. Index Page: Here will be our main page, where we will be showing different chats.
    a. Inside the chats section, we can chat with the AI Bot, and ask different queries, like (Plan a trip from Faridabad to Nainital for 3 days).
    b. Here the chatbot will give us the whole itinerary of the trip. We are planning to include, some additional features for customization of our trip, like (Transportation, Trip type, Companion type, Type of Stay, and Type of Dining). This will help the chatbot to give us a more customized plan according to our needs.
    c. We can use send email, to send this chat to the user's email. This way user can print the itinerary for his/her use.
3. About Page: This will give us a quick summary and guide on how to use the Travel Planner, and it will mention some of the highlights of this app.

4. Backend

Technologies: NodeJS, MySQL, GPT-API Key

Database for Google ID and chat history. We will be using MySQL Database to store Chat history and basic user info. We will be using the NodeMailer email client to send emails to the user.