

PROJECT TITLE:

Travel Itinerary Generator

NAME:

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COLLEGE:

(Your College Name Here)

PROJECT OPTION CHOSEN:

Project Option 1 – Travel Itinerary Generator

PROBLEM STATEMENT:

Planning a trip involves multiple factors such as destination, duration, budget, number of travelers, and mode of travel. Creating a structured travel itinerary manually can be time-consuming and inconsistent. This project automates the process using AI to generate a personalized travel itinerary and deliver it via email.

TECHNOLOGIES USED:

Frontend:

- HTML
- CSS
- JavaScript
- Cursor AI (ASK mode for assistance and refinement)

Automation & AI:

- n8n (Webhook, AI Model, Email/Gmail node)
- OpenAI LLM (used inside n8n)

PROJECT WORKFLOW:

1. User fills the travel form on the frontend website.
2. Form data is validated on the client side using JavaScript.
3. The data is sent to n8n via a Webhook.
4. n8n processes the input and sends it to an AI model.
5. The AI generates a personalized, day-wise travel itinerary.
6. The generated itinerary is formatted properly.
7. The itinerary is sent to the user via email.

FEATURES:

- Responsive frontend interface
- Client-side input validation
- AI-generated day-wise itinerary
- Budget-conscious travel suggestions
- Travel tips and considerations
- Automated email delivery

AI USAGE DOCUMENTATION:

Cursor AI:

- Used during frontend development for code suggestions,

structure improvement, and UI refinement.

AI inside n8n:

- Used in the LLM node to generate the personalized travel itinerary based on user inputs.

DESIGN & LOGIC DECISIONS:

- Frontend kept simple using only HTML, CSS, and JavaScript as backend frameworks were not allowed.
- Webhook-based architecture used for automation.
- Email delivery chosen for better user experience.
- Clear separation of frontend and automation logic.

GITHUB REPOSITORY LINK:

<https://github.com/Vedansh1123/travel-itinerary-generator>

LIVE PROJECT URL:

<https://vedansh1123.github.io/travel-itinerary-generator/>

CONCLUSION:

This project successfully demonstrates how AI and automation can be combined to solve a real-world problem. The Travel Itinerary Generator simplifies trip planning by generating personalized itineraries efficiently and delivering them directly to the user via email.