

Project Report

Title of Project: Smart Travel Companion

Name of the Innovator: Jahnavi G

Start Date: 01-09-2025

End Date: 04-09-2025

Day 1: Empathise & Define

Step 1: Understanding the Need

- Which problem am I trying to solve?

The problem I'm addressing is that **planning a trip can be confusing and time-consuming**.

Travelers often struggle to find the best places to visit, manage bookings, and organize their schedule efficiently. With my solution, an **AI-powered travel assistant**, all of this becomes much easier — it gives personalized recommendations, creates itineraries automatically, and keeps everything organized in one place.

Step 2: What is the problem?

The problem is that **travelers spend too much time planning trips**. They have to search multiple websites for flights, hotels, and attractions, which is confusing and inefficient. People also struggle to create personalized itineraries and keep their travel plans organized.

Why is this problem important to solve?

This problem is important to solve because **travel planning affects the whole travel experience**. If it's confusing or takes too much time, people can miss out on attractions, spend more money, or feel stressed during their trips. By simplifying planning with an **AI-powered assistant**, travelers can save time, make better decisions, and enjoy their trips more.

Ask 2-3 people what they think about the project:

Feedback from others:

- **Person 1 (Student Traveler):** “I think this project is really useful because planning trips takes a lot of time. An AI assistant that does it for me would save so much effort.”
- **Person 2 (Frequent Business Traveler):** “It sounds practical. I often travel for work and keeping everything organized in one place would make my trips smoother.”
- **Person 3 (Casual Tourist):** “I like the idea! Sometimes I don’t know where to go or what to do when I travel, so having smart recommendations would be great.”

AI Tools Used for Step 1 and Step 2

AI tools used:

1. ***ChatGPT (OpenAI)***
 - *Used to power the AI travel assistant’s conversation system, allowing it to understand user questions and give personalized responses.*
 - *Helps generate travel recommendations, itineraries, and destination insights.*
 - *Also supports FAQ handling and provides real-time travel advice in a natural, chat-based format.*
2. ***Google Maps API (Location Intelligence)***
 - *Used for location tracking, showing nearby attractions, restaurants, and hotels.*
 - *Provides real-time route suggestions and travel time estimates.*
3. ***Meta MGX (No-Code Development Platform)***
 - *Used to design and build the Smart Travel Companion app without traditional coding.*
 - *Enables creation of interactive travel workflows, UI components, and database connections.*
4. ***IBM Watson Assistant (Reference for Design)***
 - *Used as a reference model for building structured conversations and personalized travel guidance.*
 - *Helps in understanding intent detection and creating logical chatbot flows.*
5. ***Google Dialogflow (Reference for AI Chat Flow)***
 - *Studied for intent recognition, context handling, and managing multi-turn conversations with users.*

Day 2: Ideate

Step 3: Brainstorming solutions

While exploring ways to solve the challenges of travel planning and management, I came up with a few possible solutions — some practical, some creative:

1. **AI-Powered Travel Assistant App** – An intelligent assistant that helps users plan trips, create itineraries, and give real-time recommendations.

2. **Smart Itinerary Generator** – A tool that automatically creates travel schedules based on user interests, time, and budget.
3. **Virtual Travel Companion (Chatbot)** – A chatbot that gives instant answers, safety tips, and personalized suggestions during the trip.
4. **All-in-One Travel Dashboard** – A platform that combines bookings, maps, expenses, and trip reminders in one place.
5. **Voice-Activated Travel Planner** – A hands-free assistant that allows travelers to plan and manage trips just by speaking.

Step 4: My favourite solution:

*My favourite solution is the **AI-Powered Travel Assistant App**. I chose this because it combines convenience, intelligence, and personalization in one platform. It helps users plan their trips effortlessly, create customized itineraries, and get real-time recommendations for hotels, attractions, and routes. This solution saves time, reduces stress, and makes travel planning a smooth and enjoyable experience..*

Step 5: Why am I choosing this solution?

I am choosing the **AI-Powered Travel Assistant App** because it directly solves the main problem travelers face — the difficulty of planning and managing trips efficiently. This solution uses artificial intelligence to make travel smarter, faster, and more personalized. It can provide instant recommendations, organize itineraries, and respond to user needs in real time. Compared to other ideas, this one offers the **best balance of innovation, usability, and real-world impact**.

AI Tools you can use for Step 3-5:

AI Tools for Step 3–5

1. **ChatGPT (OpenAI)**
 - To design conversation flows, generate personalized travel recommendations, and refine the AI assistant's responses.
 - Helps create FAQs, itineraries, and travel tips for different types of users.
2. **Meta MGX**
 - For building and testing the interactive app interface without coding.
 - Enables integration of features like itinerary management, location suggestions, and user profiles.
3. **Google Maps API**
 - To provide location-based data, nearby attractions, routes, and travel time estimates.
 - Helps make the AI assistant's recommendations accurate and practical.
4. **IBM Watson Assistant / Google Dialogflow (Reference Tools)**
 - For designing structured conversations, intent detection, and handling multi-step travel queries.
5. **Canva Magic Write / Notion AI (Optional)**
 - For documenting ideas, creating presentation visuals, and summarizing solutions for reports.

AI Tools you can use for the take-home task:

We use ChatGPT for ideas and content, Meta MGX to build the app prototype, Google Maps API for travel data, and Canva/Notion AI for visuals. We also reference Dialogflow/IBM Watson for chatbot design.

Day 3: Prototype & Test

Step 6: Prototype – Building my first version

What will my solution look like?

- **Mobile app with clean, user-friendly interface** – Easy to navigate for all types of travelers.
- **Chat-based AI assistant** – Users can ask questions and get instant travel recommendations.
- **Personalized itineraries** – The app creates schedules based on user preferences, time, and budget.
- **Real-time suggestions** – Provides up-to-date recommendations for hotels, attractions, and routes.
- **Interactive maps and trip planner dashboard** – Helps users visualize their travel plans and navigate easily.
- **Quick access buttons** – Fast links for bookings, travel tips, and FAQs to make planning efficient.

Design Style:

- **Minimalist & Clean:** Easy-to-navigate layout
- **Modern & Friendly:** Rounded buttons and soft colors
- **Interactive & Visual:** Maps, icons, and dashboards
- **Consistent Theme:** Unified colors and fonts

Prototype tools:

- **Meta MGX & Figma:** Build and design app interface and workflows.
- **Canva & Google Maps API:** Create visuals and integrate maps for travel planning.

What AI tools will I need to build this?

AI Tools Needed to Build the Smart Travel Companion

- ❖ **ChatGPT (OpenAI):**
 - Powers the AI assistant to answer travel questions and give recommendations.
 - Creates personalized itineraries based on user preferences and inputs.
- ❖ **Meta MGX:**
 - Builds the app interface and interactive workflows without coding.
 - Integrates AI features like chatbot responses and trip planning modules.

❖ **Google Maps API:**

- Provides real-time location data and nearby attractions.
- Offers routes, travel times, and navigation for user itineraries.

❖ **IBM Watson Assistant / Dialogflow:**

- Designs structured chatbot conversations and manages multi-step queries.
- Detects user intent and ensures accurate AI responses.

❖ **Canva / Notion AI:**

- Creates visuals, diagrams, and presentation slides.
- Helps document workflows, ideas, and AI implementation steps

What AI tools I finally selected to build this solution?

1. Chat GPT
2. Metamgx
3. Google Maps API

< Build The Innovation >

<DASHBOAD OF THE TOOL>

Tool Link: [smart travel companion](#)

The dashboard features a header with "Ai-Powered Travel Intelligence" and a main title "Smart Travel Companion". Below the title is a subtitle: "Your intelligent travel assistant that predicts costs, analyzes risks, curates memories, and plans perfect trips with the power of AI." Two buttons are present: "Get Started Free" and "Watch Demo".

The dashboard is divided into several sections:

- Global Transport Estimator**: Multi-Modal. Compares costs across flights, trains, buses, and more with real-time pricing in 5 currencies.
- Risk & Weather Analysis**: AI-Powered. Gets detailed weather forecasts and safety insights for any destination worldwide.
- Photo Memory Curator**: Smart Gallery. Uploads and organizes travel photos with AI-generated captions and smart albums.
- Budget Planner**: Expense Tracker. Tracks expenses, creates itineraries, and gets personalized spending insights.
- Travel History**: Memory Bank. Accesses all past trips, searches, and analyses in one organized dashboard.
- AI Chat Assistant**: Conversational. Gets instant travel advice and answers through an intelligent chat interface.

At the bottom, key statistics are displayed:

- 200+** Countries Covered
- 50K+** Routes Analyzed
- 1M+** Photos Organized
- 99.9%** Accuracy Rate

A "Made by MGX" logo is located in the bottom right corner.

Internal Working of tool:

Smart Travel Companion: Page Overview

The dashboard provides a high-level overview of travel planning activities:

- Summary Metrics:**
 - Routes Searched: 12
 - Trips Analyzed: 5
 - Photos Uploaded: 148
 - Budget Saved: \$1,240
- Recent Activity:**
 - Searched route: Tokyo – Seoul (2 hours ago)
 - Weather analysis: Paris, France (1 day ago)
 - Photo upload: 24 photos from Bali (3 days ago)
 - Budget created: Europe trip 2024 (1 week ago)
- Quick Actions:**
 - Search Transport Routes
 - Analyze Trip Weather
 - Upload Travel Photos
 - Plan Trip Budget

Transport section overview:

The transport section includes a global cost estimator and a comparison of various transport modes:

- Global Transport Cost Estimator:** Compares costs and travel times between Bengaluru and Hyderabad.
- Available Transport Modes:**
 - Flight
 - Train
 - Bus
 - Car/Taxi
 - Ferry
 - Rideshare
- Route Results: Bengaluru – Hyderabad** (Showing prices in INR - Updated just now):

Mode	Carrier	Price	Duration	Eco Rating	Action
Flight	SkyAir	₹30,118	2h 30m	4 green dots	Book Now
Train	RailConnect	₹19,462	4h 15m	5 green dots	Book Now
Bus	BusLine	₹5,550	6h 45m	3 green dots	Book Now
Car Rental	AutoRent	₹15,688	5h 20m	3 green dots	Book Now

Weather section overview:

[Back to Home](#) | **Smart Travel Companion** [Dashboard](#)

[Home](#) [Transport](#) **Weather** [Photos](#) [Budget](#) [History](#)

Trip Risk & Weather Analyzer

Get detailed weather forecasts and safety insights for your destination

Destination: bengaluru Start Date: 20-10-2025 Duration (days): 4

Analyze Trip

Safety Risk Analysis

Safety Score: 95% Safe Risk: 73/100

Risk Factors:

- Political stability: Stable
- Crime rate: Low
- Health risks: Minimal
- Natural disasters: Low probability
- Travel advisories: None

AI Recommendations:

- Pack light rain gear for potential showers
- Bring sunscreen with high SPF
- Stay hydrated during outdoor activities
- Check local weather updates daily
- Keep emergency contacts handy

4-Day Weather Forecast for bengaluru

Detailed daily weather conditions and travel insights

Date	Condition	Temp (°C)	Humidity (%)	Wind (km/h)	UV Index	Rain Chance (%)
17/10/2025	Heavy Rain	22/18°C	68%	11 km/h	2/10	17%
18/10/2025	Partly Cloudy	33/13°C	70%	5 km/h	2/10	15%
19/10/2025	Partly Cloudy	25/11°C	53%	5 km/h	6/10	20%
20/10/2025	Cloudy	22/10°C	72%	14 km/h	2/10	17%

Photo memory section overview:

[Back to Home](#) | **Smart Travel Companion** [Dashboard](#)

[Home](#) [Transport](#) [Weather](#) **Photos** [Budget](#) [History](#)

Photo Memory Curator

Upload and organize your travel photos with AI-powered captions and smart albums

Total Photos: 3 Favorites: 0 Albums: 3

Upload Travel Photos

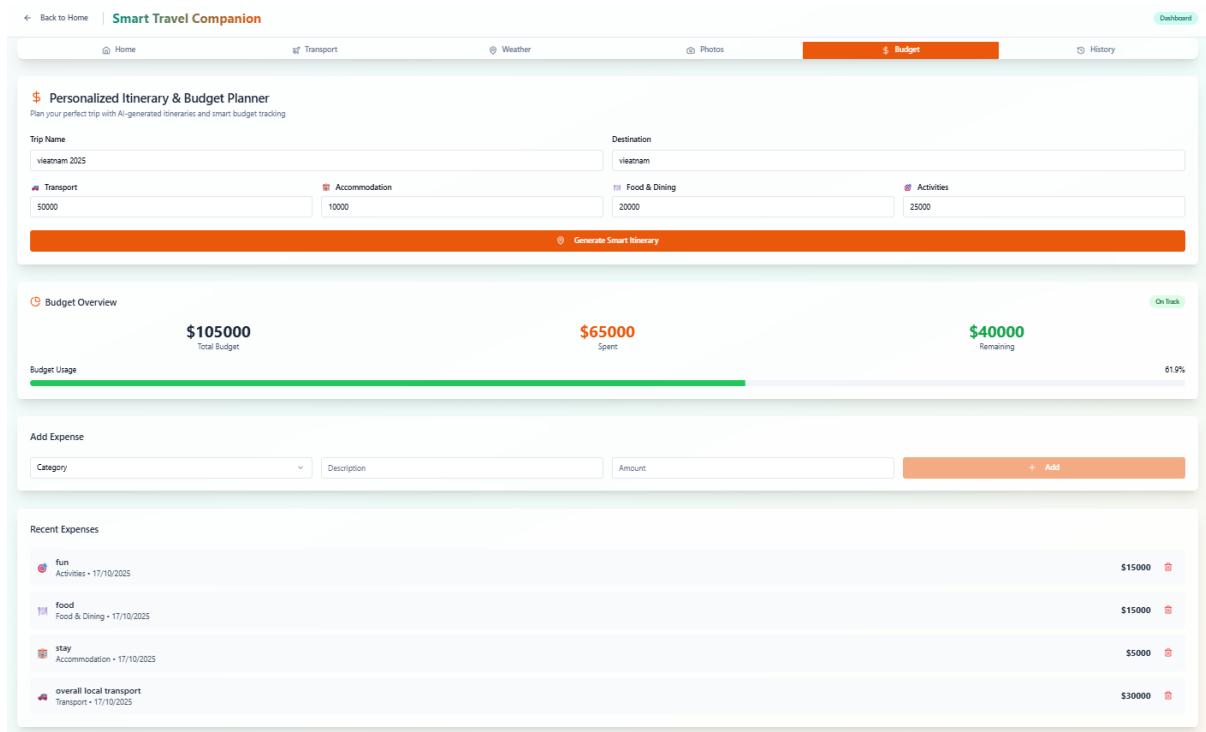
Drag and drop your photos here, or click to browse [Choose Photos](#)

Photo Gallery

All Photos (3 photos)

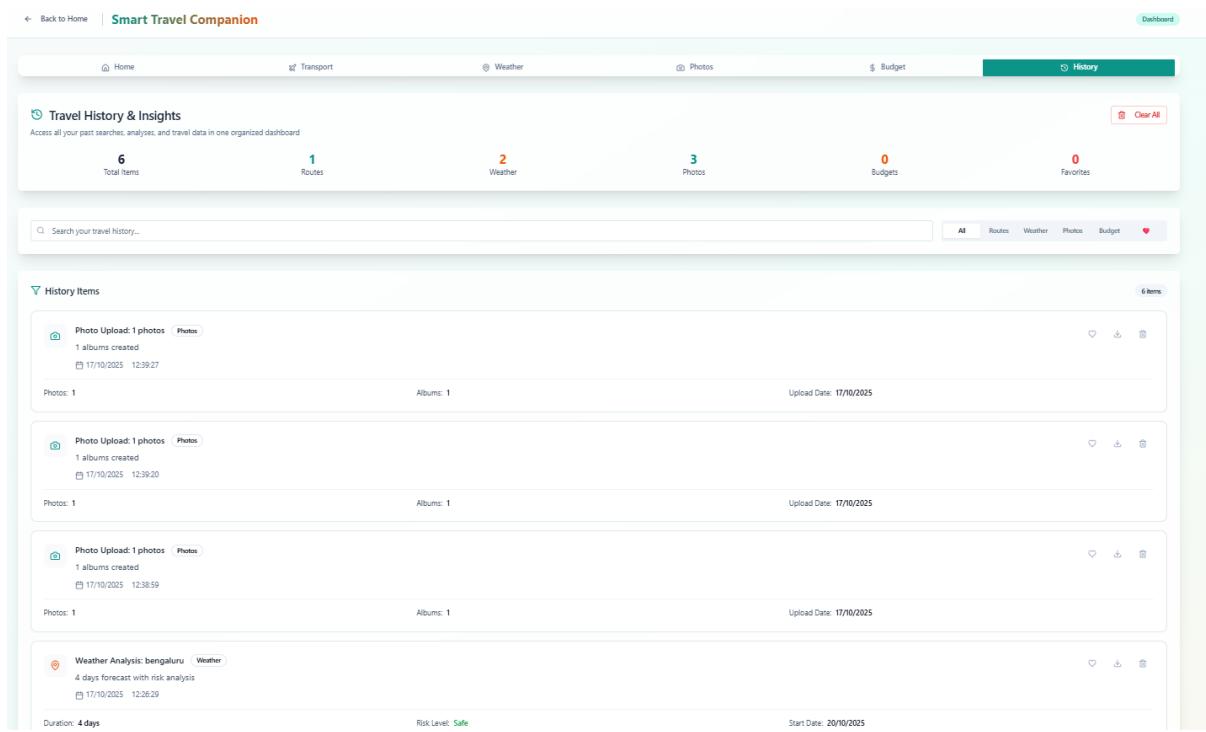
 31337_Delhi-ezgif.com-jpg-to-webp-converter.webp Delicious local cuisine experience 17/10/2025 Tokyo Download	 munnar.jpg Stunning panoramic view from the top 17/10/2025 Paris, France Download	 Picture1.jpg Peaceful moment in nature 17/10/2025 New York Download
--	--	---

Budget section overview:



The screenshot shows the 'Budget' section of the Smart Travel Companion dashboard. At the top, there are tabs for Home, Transport, Weather, Photos, Budget (which is selected), and History. The main area is titled '\$ Personalized Itinerary & Budget Planner' and includes fields for Trip Name ('vietnam 2025'), Destination ('vietnam'), and various budget categories: Transport (\$5000), Accommodation (\$10000), Food & Dining (\$2000), and Activities (\$25000). A large orange button at the bottom says 'Generate Smart Itinerary'. Below this, the 'Budget Overview' section displays total budget usage: \$105000 Total Budget, \$65000 Spent, and \$40000 Remaining. A progress bar indicates 61.9% usage. There's also a 'Recent Expenses' section listing items like 'Activities' (\$15000), 'Food & Dining' (\$15000), 'Accommodation' (\$5000), and 'Transport' (\$30000) with their respective dates.

History section overview:



The screenshot shows the 'History' section of the Smart Travel Companion dashboard. At the top, there are tabs for Home, Transport, Weather, Photos, Budget, and History (selected). The main area is titled 'Travel History & Insights' and provides an overview of travel data: 6 Total Items, 1 Routes, 2 Weather, 3 Photos, 0 Budgets, and 0 Favorites. A search bar and a filter menu are also present. Below this, the 'History Items' section lists three photo uploads, each showing details like date (17/10/2025), time (12:39:27 or 12:38:59), and upload date (17/10/2025). The last item is a 'Weather Analysis' for Bengaluru, showing a 4-day forecast with risk analysis and a start date of 20/10/2025.

Step 7: Test – Getting Feedback

- Who did I share my solution with?

I shared my **Smart Travel Companion** solution with:

- I shared my Smart Travel Companion prototype with friends and classmates who frequently travel.
- I also showed it to family members and teachers/mentors to get diverse perspectives.
- Additionally, I asked experienced travelers for their opinions on usability and features.
- I collected feedback from online travel communities to understand broader user expectations.

What feedback did I receive?

Feedback: Pros and Cons

Pros

- Saves time with fast trip planning
- Personalized itineraries and recommendations
- Real-time suggestions for attractions and routes

Cons

- Requires internet for full functionality
- Limited offline access
- Privacy concerns with location and travel data

My Response for The Feedback:

After receiving feedback, I improved the app interface for easier navigation and enhanced personalization for better itineraries. I added offline features for maps and essential travel info, and addressed privacy by anonymizing user data and adding clear consent options. I also optimized real-time recommendations and plan to include features like budget tracking and multi-trip management in future updates to make the app more comprehensive and user-friendly.

👉 What works well:

What Works Well

- ⊕ **User-Friendly Interface:** The app is easy to navigate, with clear menus and interactive elements.
- ⊕ **Personalized Recommendations:** The AI assistant provides itineraries and travel suggestions tailored to each user.
- ⊕ **Real-Time Assistance:** Users receive up-to-date recommendations for attractions, hotels, and routes.
- ⊕ **Interactive Maps & Dashboards:** Helps users visualize their trips and plan efficiently.
- ⊕ **Quick Access Features:** Easy-to-use buttons for bookings, travel tips, and FAQs improve overall usability.
- ⊕ **Offline Access:** Essential travel information is available even without internet connectivity.
- ⊕ **Privacy Measures:** User data is anonymized, giving travelers confidence in using the app.
- ⊕ **Engaging Experience:** The combination of AI assistance, visuals, and interactive elements keeps users engaged throughout trip planning.

🔧 What needs improvement:

- ⊕ **Internet Dependency:** Real-time recommendations and maps require an active internet connection.
- ⊕ **Feature Expansion:** Adding budget tracking, multi-trip management, and offline itinerary editing.
- ⊕ **Detailed Maps:** More location markers and nearby suggestions to enhance navigation.
- ⊕ **User Onboarding:** Simplify the first-time user experience for easier understanding of app features.
- ⊕ **Performance Optimization:** Reduce loading times and improve app responsiveness on slower devices.
- ⊕ **Customization Options:** Allow users to adjust themes, notifications, and travel preferences more easily.

AI Tools you can use for Step 6-7:

ChatGPT/Perplexity AI/Claude AI/Canva AI/Chatling AI/Figma AI/Metamgx/Gamma AI: You can use these tools to build solutions/models or mock-up dummy prototypes

Day 4: Showcase

Step 8: Presenting my Innovation:

Presenting My Innovation

- **Smart Travel Companion:** AI-powered mobile app for seamless travel planning.
- **Chat-Based AI Assistant:** Answers questions, gives recommendations, and creates personalized itineraries.
- **Interactive Maps & Real-Time Suggestions:** Helps users find attractions, routes, and nearby hotels.
- **User-Friendly Design:** Simple navigation, clean interface, and quick access to features.
- **Offline Access & Privacy:** Key travel info available offline; user data is anonymized for safety.
- **Convenience & Efficiency:** Combines planning, bookings, and guidance in one platform.

Impact: The Smart Travel Companion saves time, personalizes itineraries, and makes travel planning easier, smarter, and more enjoyable.

<SHOWCASE YOUR INNOVATION TO YOUR PEERS>

The landing page for the Smart Travel Companion features a light blue header with the text "AI-Powered Travel Intelligence". Below the header is the main title "Smart Travel Companion" in a large, bold, orange font. A subtitle describes the product as "Your intelligent travel assistant that predicts costs, analyzes risks, curates memories, and plans perfect trips with the power of AI." Two buttons are present: "Get Started Free" (blue) and "Watch Demo" (orange). The page is divided into several sections showcasing different AI features:

- Global Transport Estimator**: Multi-Model. Compares costs across flights, trains, buses, and more with real-time pricing in 5 currencies.
- Risk & Weather Analysis**: AI-Powered. Provides detailed weather forecasts and safety insights for any destination worldwide.
- Photo Memory Curator**: Smart Gallery. Uploads and organizes travel photos with AI-generated captions and smart albums.
- Budget Planner**: Expense Tracker. Tracks expenses, creates itineraries, and gets personalized spending insights.
- Travel History**: Memory Bank. Accesses all past trips, searches, and analyses in one organized dashboard.
- AI Chat Assistant**: Conversational. Gets instant travel advice and answers through an intelligent chat interface.

At the bottom, four key statistics are highlighted:

- 200+** Countries Covered
- 50K+** Routes Analyzed
- 1M+** Photos Organized
- 99.9%** Accuracy Rate

A "Made by MGX" logo is located in the bottom right corner.

Step 9: Reflections

- What did I enjoy the most during this project-based learning activity?

I enjoyed **bringing an idea to life** the most during this project. It was exciting to **design and build the Smart Travel Companion**, explore AI tools, and see how my concept could solve real travel problems. I also loved **testing the app and getting feedback**, which helped me improve the solution and made the process very rewarding.

What was my biggest challenge during this project-based learning activity?

My biggest challenge was **integrating AI tools effectively** to create a functional and interactive travel assistant. It was sometimes difficult to **ensure accurate responses, personalized recommendations, and smooth conversation flow** within the app. Additionally, balancing **user-friendly design with complex AI functionality** required careful planning and testing.

Take-home task

[JahnaviG12/-Smart-Travel-Companion_Project-Report](#)

AI Tools you can use for Step 8:

Canva AI: You can use this to design your pitch document. Download your pitch document as a PDF file and upload on GitHub