

Nomads: Destination Explorer and AI Trip Planner

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Submitted To:
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Project Lab



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Team Introduction

Team Name: RS Duo

We are a team of 2 members:

Member 1 : Ritesh Saini

Member 2 : Sachin Kumar

Introduction

Nomads is an AI-powered travel planner that simplifies destination discovery and itinerary generation. It allows users to explore destinations, input preferences, and receive tailored travel plans using advanced algorithms and Google Gemini AI.

Problem Statement

Traditional trip planning is time-consuming, lacks personalization, and requires manual research. Travelers struggle to find relevant destinations and create optimized itineraries based on interests, budget, and time.

Objective

To build an AI-based platform that provides destination recommendations and generates personalized travel itineraries based on user inputs like budget, duration, interests, and location.

Literature Survey

Existing trip planners often lack true personalization and rely on static data. Advanced systems leverage machine learning and natural language processing to analyze preferences, but many are not user-centric or lack integration of real-time data.

Research Gap

- Lack of AI-driven personalization in current systems.
- Limited integration with real-time travel APIs.
- Absence of natural language-based user interaction.
- Difficulty in generating end-to-end itineraries dynamically.

Proposed Work

Design a smart travel assistant that uses Google Gemini AI and user preferences to suggest destinations and auto-generate itineraries. The system provides an intuitive UI and integrates cloud storage and APIs for location, hotels, and weather.

Tools and Technology Used

Frontend: React.js, Tailwind CSS

Backend: Node.js (Express)

AI/ML: Google Gemini AI

Database: Firebase Database

Cloud: Firebase, Azure

APIs: Google Places, OpenWeatherMap

Version Control: Git and GitHub

Expected Outcomes

- Personalized travel recommendations using AI.
- Interactive user interface for input and plan visualization.
- Real-time itinerary generation.
- Scalable cloud-based system.
- Enhanced user experience through automation.

Project Snapshots



Nomads

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Unlock Your Travel Dreams With us!

Discover the world's most adventurous nature, life is so short for a trip.

[Get Started →](#)

Popular Places

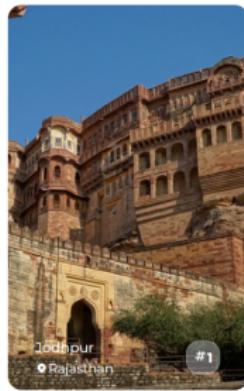


Project Snapshots

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Find Your Dream Destination

Fill in the fields below to find the best spot for your next tour.

 Location Search

Project Snapshots

Nomads

+ Add Trip

My Trips



Discover Your Next Adventure with AI: Personalized Itineraries at Your Fingertips

Your personal trip planner and travel curator, creating custom itineraries tailored to your interests and budget.

Get Started, It's Free



Project Snapshots

Tell us your travel preferences 🌸🌴

Just provide some basic information, and our trip planner will generate a customized itinerary based on your preferences.

What is your destination of choice?

Japan

How many days are you planning your trip?

3

What is Your Budget?



Budget

Keep cost low



Average

Keep cost on the average side



Luxury

Don't worry about cost

Who do you plan on travelling with on your next adventure?



Just Me

A sole traveler in exploration



A Couple

Two travelers in tandem



Family

A group of fun-loving adventures



Friends

A bunch of thrill-seekers

Generate Trip

Project Snapshots

Places to Visit

Day 1

Morning

**Senso-ji Temple**

Tokyo's oldest temple, located in Asakusa.

★ 4.5 stars

🕒 Morning



Afternoon

**Shibuya Crossing**

The world's busiest intersection, known for its iconic scramble.

★ 4 stars

🕒 Afternoon



Late Afternoon

**Shinjuku Gyoen National Garden**

Beautiful garden with traditional Japanese, English, and French landscapes.

★ 4.7 stars

🕒 Late Afternoon



Day 2

Morning

**Tokyo Skytree**

A broadcasting and observation tower with panoramic city views.

★ 4.6 stars

🕒 Morning



Afternoon

**Ueno Park**

Large park with museums, temples, and a zoo.

★ 4.4 stars

🕒 Afternoon



Evening

**Ameya Yokochō Market**

A vibrant market with various food stalls and shops.

★ 4 stars

🕒 Evening



Project Snapshots

My Trips



Japan

3 Days trip with Average Budget



Las Vegas, Nevada, United States of America

3 Days trip with Average Budget



London, United Kingdom

4 Days trip with Luxury Budget



Delhi, India

5 Days trip with Budget Budget



Malaysia

4 Days trip with Luxury Budget



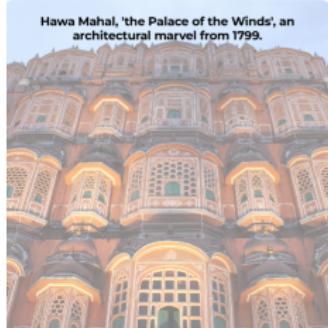
Goa, India

3 Days trip with Luxury Budget



Jaipur, India

Project Snapshots

[About](#)[Popular Places](#)

Hawa Mahal, 'the Palace of the Winds', an architectural marvel from 1799.



Conclusion

Nomads leverages Google Gemini AI to revolutionize trip planning by offering automated, personalized, and real-time travel recommendations and itineraries. It enhances convenience, reduces planning time, and empowers users with an intuitive experience.

Acknowledgement

Thank you!