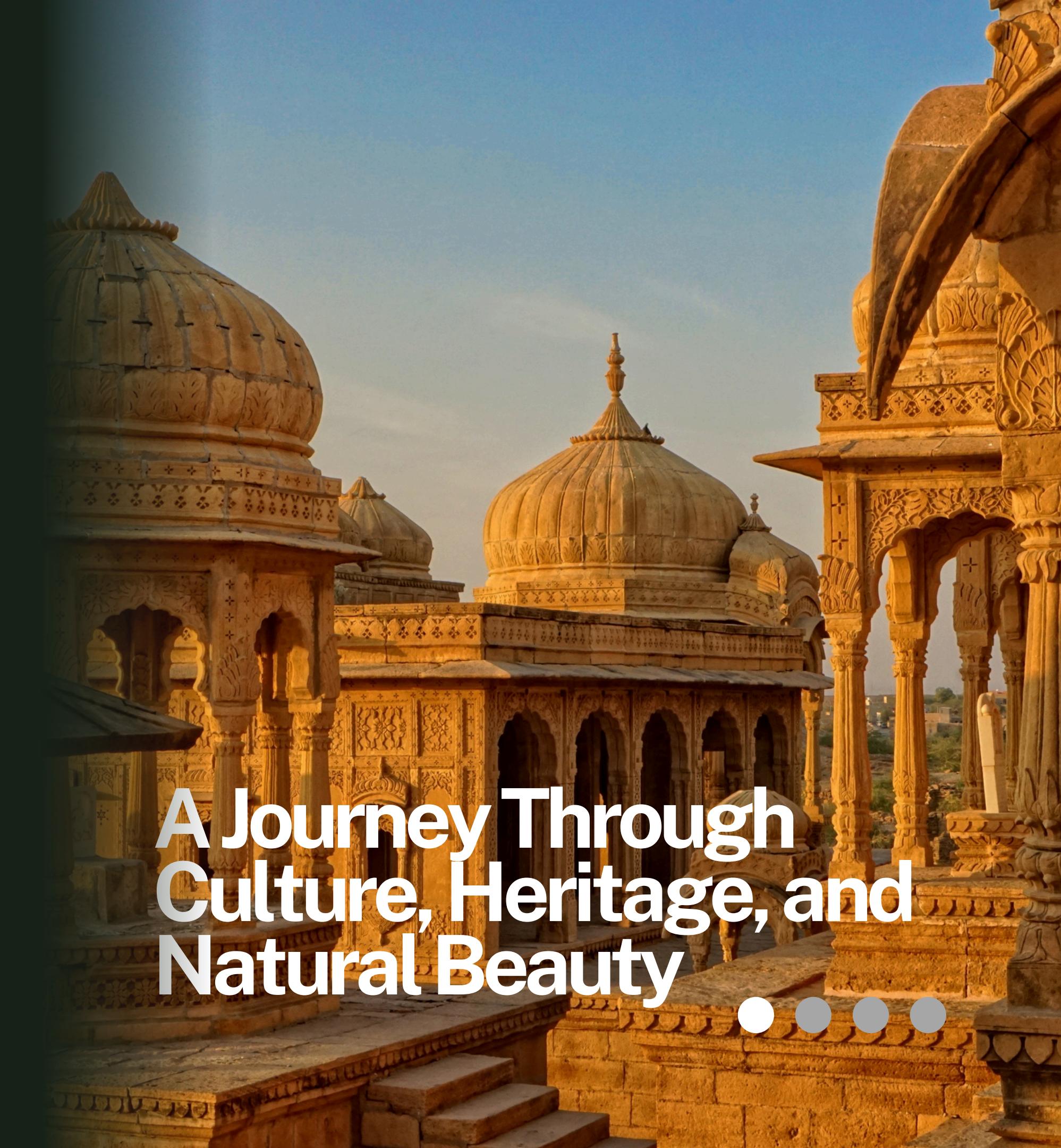


TRAVEL GUIDE USING AI

Infosys
SpringGuard

A Journey Through
Culture, Heritage, and
Natural Beauty





Introduction

- The Travel Guide project aims to help tourists plan holiday trips by offering a web application where users can select destinations and generate customized tour plans.
- The web app includes a voice recognition feature that allows users to interact with the platform and view tourist destinations.
- It helps users save time by planning the most efficient routes to explore multiple tourist spots without wasting time on travel logistics

Milestone

- 1. USER AUTHENTICATION AND REGISTRATION**
- 2. CUSTOMER VOICE RECOGNIZATION**
- 3. PLACE AVAILABILITY MANAGEMENT**
- 4. PLACE INFORMATION MANAGEMENT**

- 5. BOOKING MANAGEMENT**
- 6. NOTIFICATION SYSTEM**
- 7. ADMIN DASHBOARD**
- 8. APPOINTMENT SCHEDULING INTERFACE**



REQUIREMENT SPECIFICATIONS

Software Requirements:

- Frontend : HTML, CSS and Javascript
- Backend: Django
- Database: mySQL

Hardware Requirements:

- intel i3 or higher
- RAM above 4 Gb

USER AUTHENTICATION AND REGISTRATION

User Login

Username
Enter your username
Username is required

Password
Enter your password
Password is required

Login

Don't have an account? [Register here](#)

[Forgot Password?](#)

Login Page with validation

Input validation check

On click Register Here, Create Account page will open

[Forget password](#)

Reset your password

Don't worry, we've got your back! Just enter your email address, and we'll send you a link to reset your password.

Email
Enter your email

Submit

Create Account

Username
Enter your username

Email
Enter your email

Password
Create a password

Confirm Password
Confirm your password

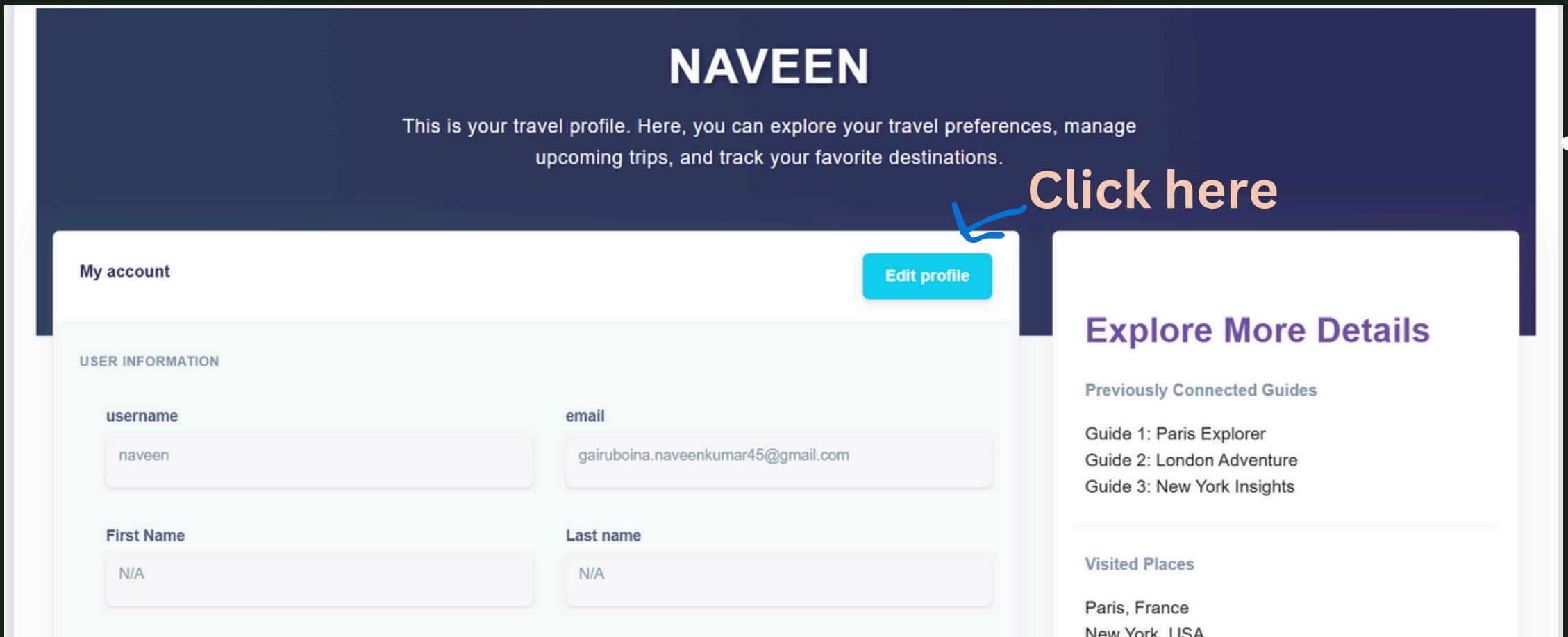
Register

Already have an account? [Login here](#)

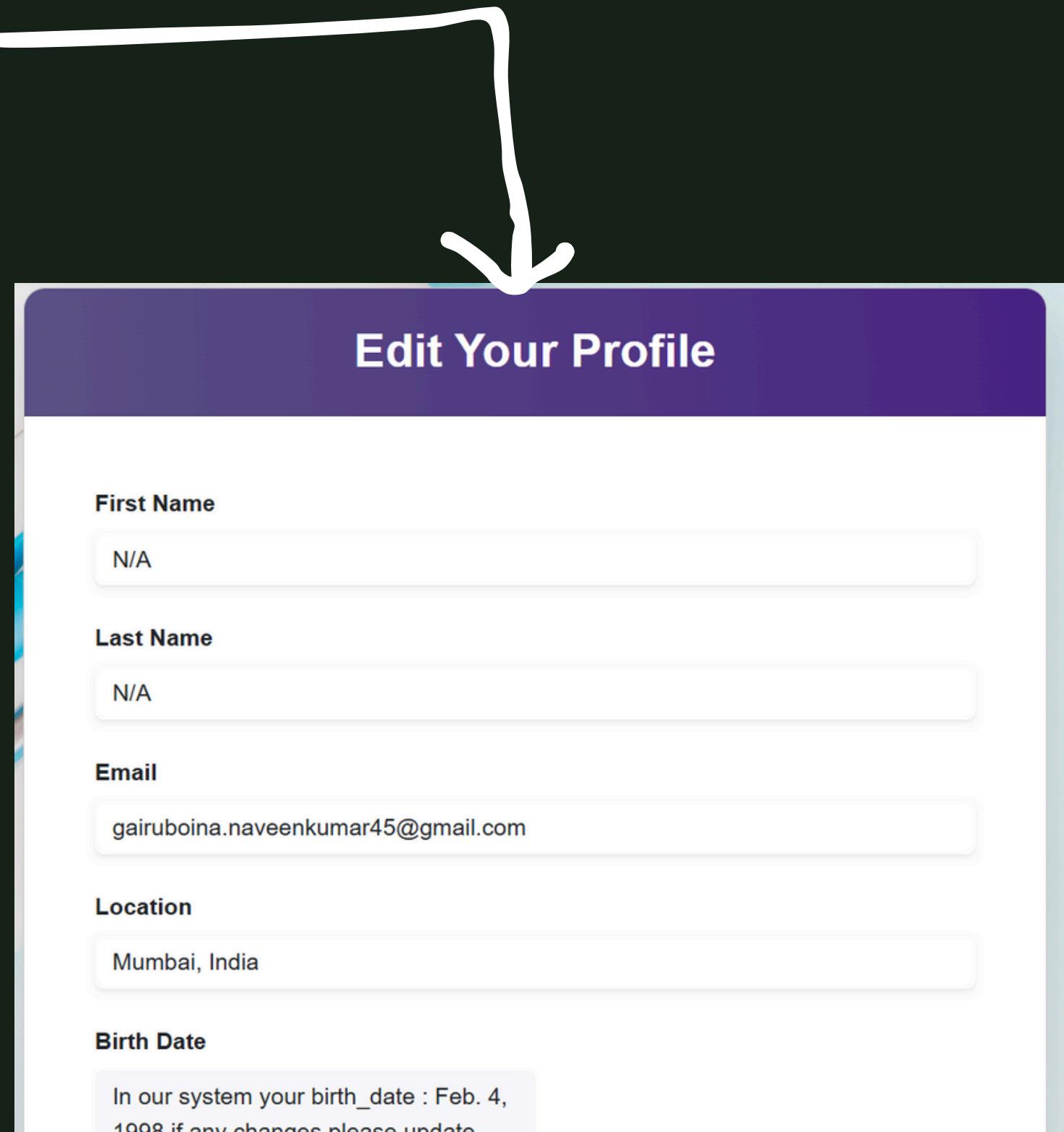
1. USER AUTHENTICATION AND REGISTRATION

- Implemented user registration functionality.
- Developed user login mechanism.
- Integrate email verification and password reset features
- The tourist place list will be displayed on customer speech.
The application will recognise the voice and display the tourist place

1. CUSTOMER PROFILE AFTER LOGIN



The screenshot shows a customer profile page for a user named NAVEEN. The page has a dark blue header with the name 'NAVEEN' in white. Below the header, a message says: 'This is your travel profile. Here, you can explore your travel preferences, manage upcoming trips, and track your favorite destinations.' On the left, there's a sidebar with 'My account' and a 'USER INFORMATION' section containing fields for 'username' (naveen), 'email' (gairuboina.naveenkumar45@gmail.com), 'First Name' (N/A), and 'Last name' (N/A). A blue button labeled 'Edit profile' is located at the top right of this section. A blue arrow points from the text 'Click here' to this button. To the right of the user info is a white box titled 'Explore More Details' which lists 'Previously Connected Guides' (Guide 1: Paris Explorer, Guide 2: London Adventure, Guide 3: New York Insights) and 'Visited Places' (Paris, France; New York, USA).



A modal window titled 'Edit Your Profile' is displayed over the main page. It contains fields for 'First Name' (N/A), 'Last Name' (N/A), 'Email' (gairuboina.naveenkumar45@gmail.com), 'Location' (Mumbai, India), and 'Birth Date'. A note at the bottom states: 'In our system your birth_date : Feb. 4, 1998 if any changes please update.'

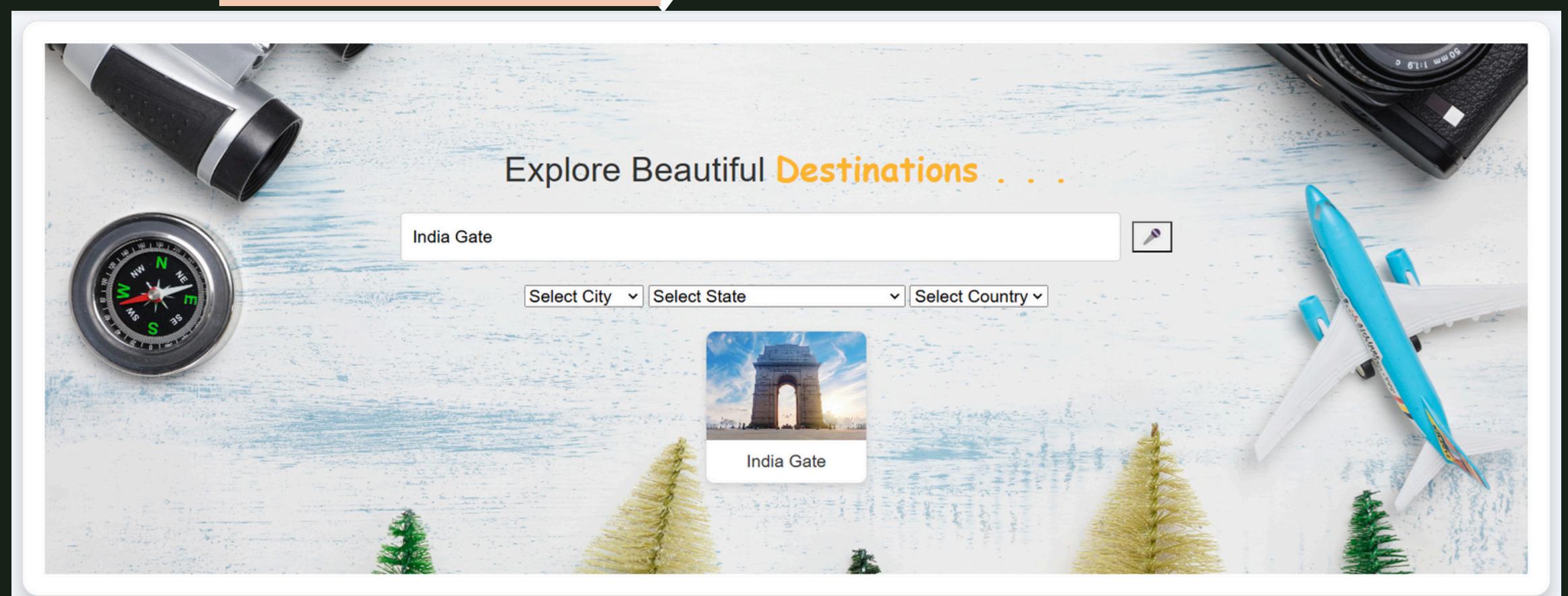
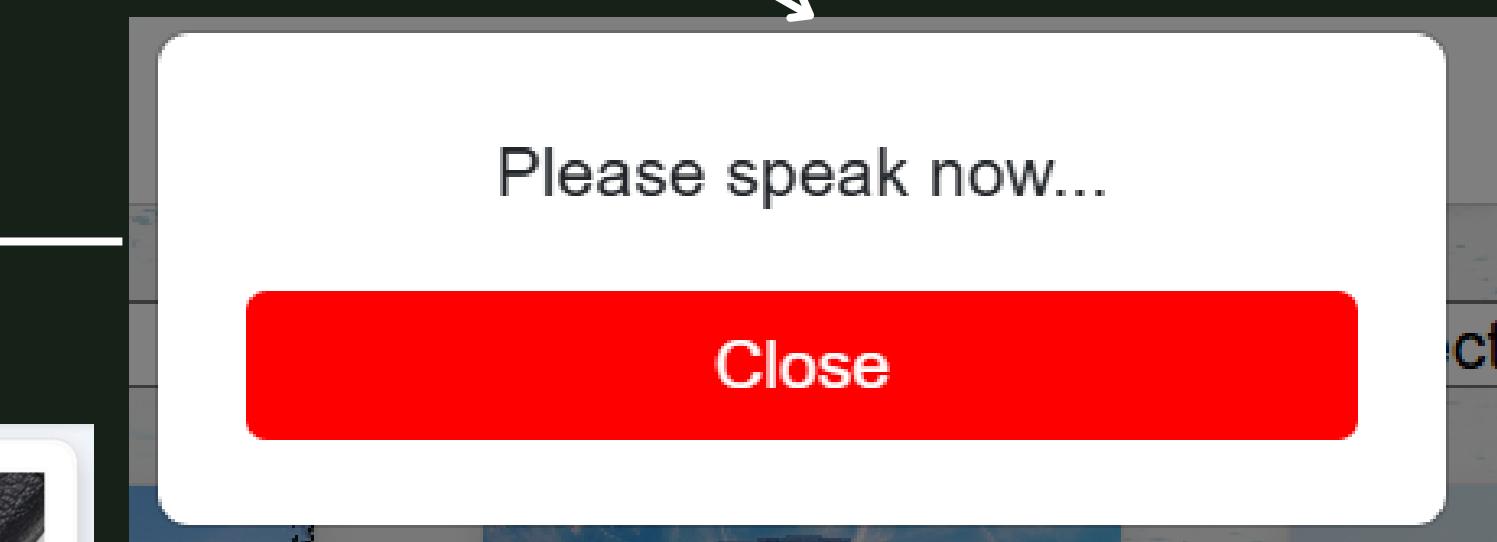
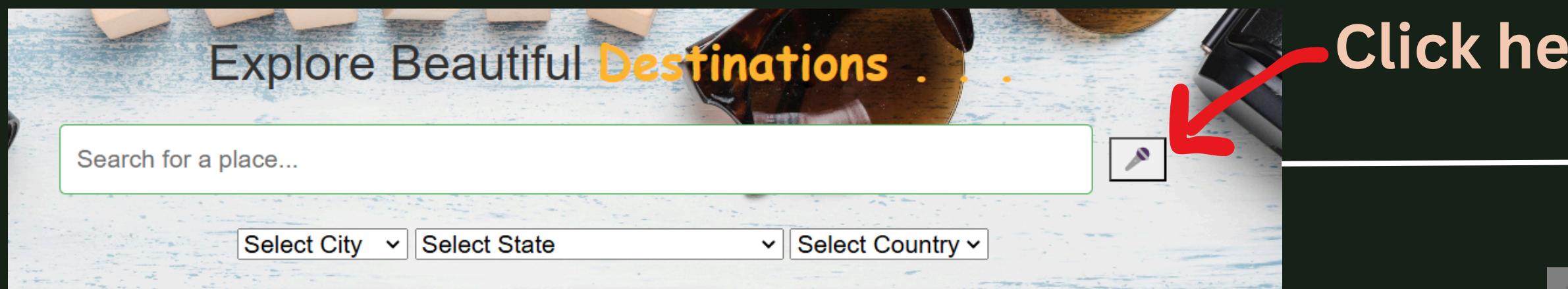
**Functionality of user profile
updatation after login**

2. CUSTOMER VOICE RECOGNIZATION

The screenshot shows the homepage of the TravelGuide website. At the top left is the logo "TRAVEL GUIDE" with a small airplane icon. To its right is the text "TravelGuide". On the far right of the header are links for "Home", "Gallery", "Agents", and "SignUp / Log". Below the header is a large banner featuring a travel-themed collage with binoculars, sunglasses, and a suitcase. Overlaid on the banner are wooden blocks spelling "TRAVEL" and the text "Explore Beautiful Destinations...". Below the banner is a search bar with the placeholder "Search for a place..." and a microphone icon for voice search. Underneath the search bar are three dropdown menus: "Select City", "Select State", and "Select Country". Below these dropdowns are six image cards, each with a thumbnail and a caption: "Sunrise Park", "The Taj Mahal", "Qutub Minar", "India Gate", "Red Fort", and "Gateway of India".

Gallery page where user can search for place over voice command

2. CUSTOMER VOICE RECOGNIZATION



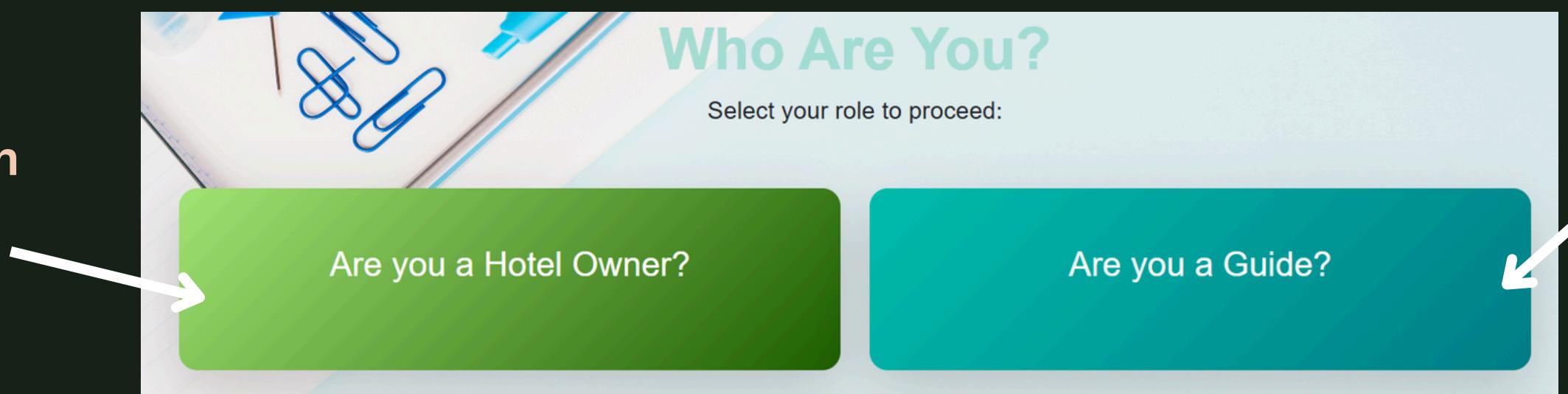
Pop up for speaking.place name

3. Place Availability Management

- Design database schema for storing doctor availability information.
- Develop an interface for Tour Locations to set their availability.
- Implement backend functionality to manage and update hotel availability.

Hotel and Guide Agent Management

Click Here to login or register hotel



Click Here to login or register as Guide

Hotel Login

Hotel Email Id
Please enter hotel email

Password
Please enter your password

Login

Don't have an account? [Register here](#)

[Forgot Password?](#)



Guide Login

Email
Enter your email

Password
Enter your password

Login

Don't have an account? [Register here](#)

[Forgot Password?](#)

Hotel Management

Hotel Login

Hotel Email Id
Please enter hotel email

Password
Please enter your password

Login

Don't have an account? [Register here](#)

[Forgot Password?](#)

Fill all required field to register yourself as hotel owner

Click on Register here for new registration

Hotel Information

Hotel Name: Hotel Lakshmi Grand

Contact Number: 9320239129

Email: ranga@gmail.com

Address: Hotel Lakshmi Grand, Beach Road, Ramnagar, Vizag, Visakhapatnam, Andhra Pradesh, India, PIN: 530002

Location on Map: [View on Map](#)

Description: The simply furnished rooms provide flat-screen TVs and Wi-Fi. Room service available 24/7.

Room Details

Room Type	Category	Price (per 6 hrs)	Total Rooms	Available Rooms
Single Bed	AC	\$1500.00	10	6
Double Bed	Non-AC	\$1200.00	8	4
Suite	AC	\$3000.00	5	2

Hotel Registration:

Hotel Owner's Details:

Hotel owner name:

Owner phone number:

Owner email:

Hotel Details:

Hotel name:

This is how a hotel owner detail looks along with the hotel accommodation

Guide Management

Guide Login

Email
Enter your email

Password
Enter your password

Login

Don't have an account? [Register here](#)

[Forgot Password?](#)

Fill all required field to register yourself as Guide

Click on Register here for new registration

Welcome, Arun

[Logout](#) [Edit Profile](#)

Guide Information

Name: Arun
Email: arun1@gmail.com
Phone: 8142980429
Address: Residential Quarters, Near The Taj Mahal, Agra, Uttar Pradesh, India
Country: India
State: Uttar Pradesh
City: Agra
Place: The Taj Mahal
Role: Guide

Guide Registration

Guide's Information

Full Name
Full Name

Email Address
Email Address

Phone Number
Phone Number

Address
Address

Location Details:

Country:

State:

This is how a Guide agent's detail looks

3. Place Availability Management

The screenshot displays the TravelGuide website's hotel search interface. At the top left is the logo "TRAVEL GUIDE". The top navigation bar includes links for Home, Gallery, Guides, Hotels, Profile, and Feedback. A large blue header section features the text "Explore Our Hotels". Below this is a search bar with the placeholder "Search for a hotel by name...". Underneath the search bar are four filter dropdowns labeled "Filter by Country", "Filter by State", "Filter by City", and "Filter by Place". The main content area shows two hotel listings in white boxes. The first listing is for "Hotel Lakshmi Grand" with details: Owner: Rangaiah, Phone: 9320239129, Ratings: None, and Location: Sunrise Park, Vijayawada, Andhra Pradesh, India. The second listing is for "Green Valley Hotel" with details: Owner: Srinivas, Phone: 8102340123.

TravelGuide

Home Gallery Guides Hotels Profile Feedback

Explore Our **Hotels**

Search for a hotel by name...

Filter by Country ▾

Filter by State ▾

Filter by City ▾

Filter by Place ▾

Hotel Lakshmi Grand
Owner: Rangaiah
Phone: 9320239129
Ratings: None
Location: Sunrise Park, Vijayawada, Andhra Pradesh, India

Green Valley Hotel
Owner: Srinivas
Phone: 8102340123

List of available Hotel in the particular place

4. Place Information Management



TravelGuide

Home Gallery Guides Hotels Profile Feedback

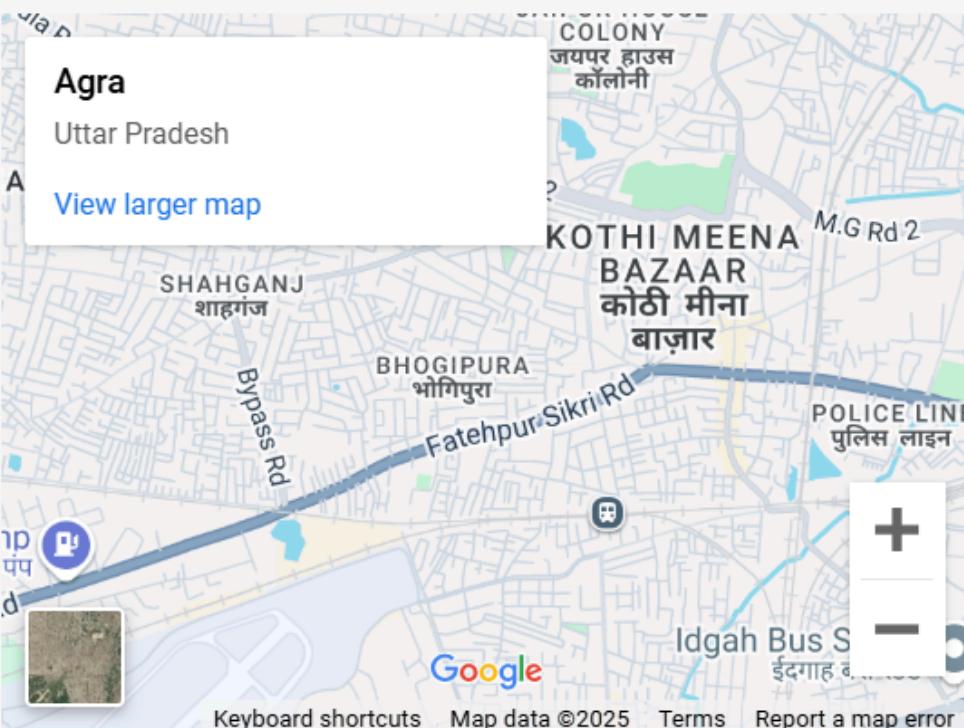
Location Details

Agra, Uttar Pradesh

Country: India

State: Uttar Pradesh

City: Agra



Area Details

Area Size: 17 hectares

History: Built by Mughal Emperor Shah Jahan in 1632 in memory of his wife Mumtaz Mahal

Speciality: White Marble Mausoleum

Best Months to Visit: October - March

Opening Hours:

Weekly Closed On: Friday

Weekdays Timing: 6 a.m. - 6 p.m.

Weekends Timing: 6 a.m. - 7 p.m.

Special Closed Dates: National Holidays

Nearest Traveling Options

Nearby Cities: Fatehpur Sikri, Mathura, Aligarh

Nearby Airports: Agra Airport

Nearby Railway Stations: Agra Cantonment

Road Distances from Railway Stations: Agra Cantonment (5 km)

Road Distances from Airports: Agra Airport (12 km)

Road Distances from Nearby Cities: Fatehpur Sikri (40 km), Mathura (60 km)

All relevant information of the particular location is mentioned in detail

5. Booking Management



TravelGuide

[Home](#) [Gallery](#) [Guides](#) [Hotels](#) [Profile](#) [Feedback](#)

Hotel Sai Paradise

Rating: None

Location: India Gate, New Delhi, Delhi, India

Gallery



User can see all accommodation and images of the Hotel

5. Booking Management

- Design and develop the interface for appointment scheduling.
- Implement functionality for users to select place, preferred to visit, and time for the visit.
- Integrate the scheduling interface with the backend for storing appointment details

Admin Dashboard



TravelGuide

[Home](#) [Gallery](#) [Agents](#) [SignUp / Login](#)

Admin Dashboard

[Logout](#)

Welcome, Admin!

All User Profiles

Username	Email	First Name	Last Name	Staff	Actions
naveen	gairuboina.naveenkumar45@gmail.com	N/A	N/A	no	Edit Delete Make Staff
chandu	chandu@gmail.com	N/A	N/A	no	Edit Delete Make Staff
Dinesh	dinnu123@gmail.com	N/A	N/A	no	Edit Delete Make Staff
guarav_abc	gaurav456@gmail.com	N/A	N/A	no	Edit Delete Make Staff
siva	123siva@gmail.com	N/A	N/A	no	Edit Delete Make Staff
satish	satish@gmail.com	N/A	N/A	no	Edit Delete Make Staff

Appointment Scheduling Interface



TravelGuide

Home Gallery Guides Hotels Profile Feedback

We Value Your Feedback!

Please share your experience or suggestions to help us improve.

Visitor Name:

Enter your full name

Visitor Address:

Enter your address

Visitor Email:

Enter your email address

Visitor Phone No:

Enter your phone number

Feedback:

Write your feedback here...

The interface features a dark header bar with the "TravelGuide" logo and navigation links. The main content area has a blue background with a central form for user feedback. To the left of the form is a decorative sidebar filled with various emoji icons (smiley faces, thumbs up, hearts, etc.).

Database model

Hotel Management

- Hotel Model Features:
 1. Owner details (name, contact, authentication)
 2. Hotel information (name, contact, location)
 3. Operating hours and schedules
 4. Room management system
- Room Types:
 1. Categories: AC/Non-AC
 2. Types: Single Bed, Double Bed, Suite
 3. Inventory tracking
 4. Pricing structure

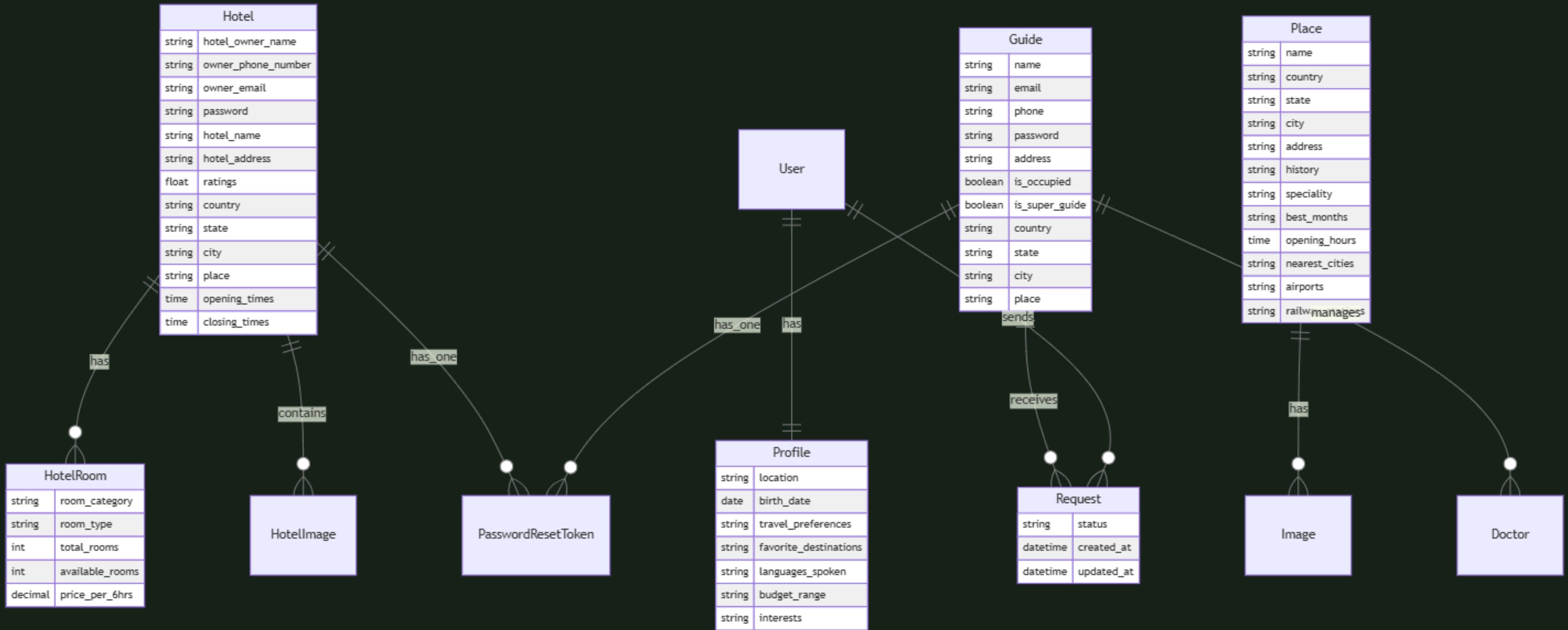
Customer Management

- Basic user information (Django User model integration)
- Travel preferences
 - Favorite destinations
 - Language preferences
 - Budget specifications
 - Personal interests

Guide System

Personal information
Location assignments
Occupation status
Super guide designation
Associated medical professionals
Request management system

ER Diagram of Database



Outcome

- Displays a list of attractions for users to choose from based on their preferences.
- Allows users to select their starting and ending points for the tour.
- Analyzes distances between all selected places to create a route map with the shortest path.
- Aids travelers in planning time-efficient trips, minimizing the chances of getting lost.
- Enhances patient (user) satisfaction with a seamless and user-friendly interface.
- Integrates voice recognition to display tourist spots based on user speech.

Thank You

