

A PROJECT REPORT ON
“INDO-JAPAN CONNECT”

as a component of
Angular and ReactJS Lab AM1601-1

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ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

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NMAM INSTITUTE OF TECHNOLOGY

Department of Artificial Intelligence and Machine Learning Engineering

CERTIFICATE

Certified that the mini project work entitled

“INDO-JAPAN CONNECT”

is a bonafide work carried out by

as a component of

Angular and ReactJS Lab AM1601-I

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in partial fulfilment of the requirements for the award of


Bachelor of Technology Degree in Artificial Intelligence and Machine Learning Engineering

prescribed by Nitte Deemed to be University, Nitte.

during the year 2024-2025.

It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated in the report deposited in the departmental library.

The mini project report has been approved as it satisfies the academic requirements in respect of the mini project work prescribed for the Bachelor of Technology Degree.

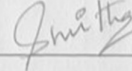


Signature of Guide


Signature of HOD

Evaluation

Name of the Examiners

Signature with Date

1. SMITHA  15/04/25
2. Dr. Rashmi A.R  15/04/25

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We believe that our project will be complete only after we thank the people who have contributed to make this project successful.

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ABSTRACT

Indo-Japan Connect is a web-based platform that aims to bridge cultural differences between India and Japan by providing users with context-aware guidance on social etiquette and norms. Leveraging artificial intelligence and natural language processing, the platform features an interactive chatbot that offers personalized cultural insights on topics such as greetings, dining etiquette, and behavioural customs. Developed using React with TypeScript and styled with Tailwind CSS, the site delivers an intuitive and responsive user experience. Features like interactive scenarios, country-specific customization, and quizzes further enhance cultural understanding and user engagement.

INTRODUCTION

Cultural misunderstandings are a common barrier in global interactions, especially between countries with distinct traditions such as India and Japan. These misunderstandings can lead to miscommunication, social discomfort, and even hinder professional or academic relationships. While travel and globalization have brought these two cultures closer, navigating each other's social norms can still be challenging for individuals unfamiliar with them.

To address this issue, Indo-Japan Connect was developed as a web application that acts as a digital cultural guide. The platform uses a chatbot to provide context-specific guidance on various cultural scenarios. Whether it's understanding when and how to bow in Japan or recognizing the importance of personal space in Indian settings, the website educates users in an interactive and accessible manner. With a clean user interface built using React with TypeScript and styled with Tailwind CSS, the platform offers quizzes, real-life simulations, and tips to ensure a comprehensive learning experience.

This project is particularly valuable for students, travellers, business professionals, and anyone interested in fostering respectful and informed intercultural interactions between India and Japan.

OBJECTIVE

The main objectives of this project are:

- To educate users on social etiquette specific to India and Japan.
- To use an AI-based chatbot for generating context-aware, culturally sensitive responses.
- To allow users to switch between Indian and Japanese cultural contexts.
- To offer scenario-based learning through quizzes and interactive cards.
- To promote mutual respect and cultural sensitivity in international interactions.

METHODOLOGY

The Indo-Japan Connect project was built using modern web development tools to ensure interactivity, responsiveness, and cultural relevance. The project was developed as follows:

1. Frameworks and Tools:

React with TypeScript: Used for building a scalable and type-safe Single Page Application (SPA).

Tailwind CSS: Enabled rapid, responsive UI design using utility-first classes.

Vite: Served as the development server and build tool for fast performance and hot module replacement.

Vercel: Used for continuous deployment and hosting.

2. Core Features Developed:

Culture Toggle System: Users can choose between India and Japan using a culture selector. This triggers dynamic content rendering which dynamically changes the content, imagery, background gradient, and available data across the entire application based on the selected culture.

Tabbed Navigation: Implemented navigation tabs (Home, Etiquette, Scenarios, Quiz, Analyzer) using React's useState for state management.

Feature Cards: Cards are customized per culture. Informative cards display cultural details about festivals, arts, and culinary traditions, with country-specific images and text.

Interactive Components:

- **EtiquetteQA:** Displays cultural "dos and don'ts" categorized by interaction type (e.g., greetings, food behavior). Data is rendered dynamically based on the selected culture. It is designed to give a

quick, scrollable reference for users preparing for cultural interaction.

- ScenarioLearning: Offers situation-based learning(e.g., meeting someone for the first time, visiting someone's house).
- CulturalQuiz: Contains multiple-choice questions based on etiquette and scenarios. It evaluates user understanding and provides instant feedback.
- CulturalAnalyzer: Optional tab for future content or analysis. Also contains the etiquette chatbot.

3. State Management:

Local state is handled via React Hooks (useState). Global cultural selection is managed using a custom store (useCultureStore).

4. Deployment:

Integrated GitHub with Vercel for CI/CD.

RESULT AND DISCUSSION

The website Indo-Japan Connect was successfully implemented, and the following outcomes were achieved:

- A fully responsive web app was developed using React with TypeScript, Tailwind CSS, and Vite.
- Features include:
 - Country selection (India/Japan)
 - Tabs for Etiquette Tips, Scenarios, and Quizzes
- Hosted successfully on Vercel: <https://connect-blush-sigma.vercel.app/>

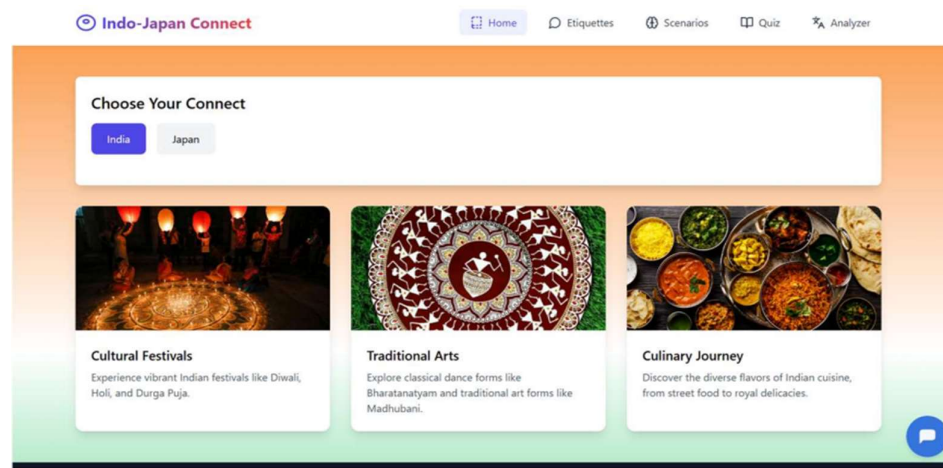


Fig 1: Home page when India is clicked

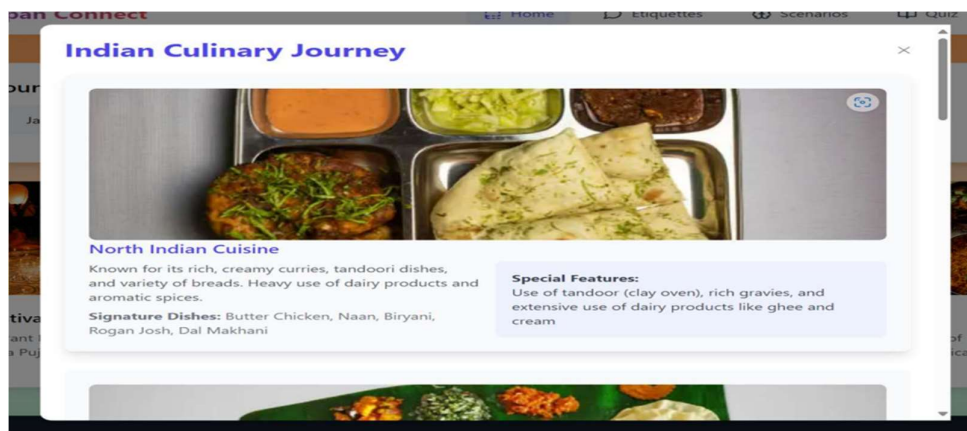


Fig 2: When one of three cards is clicked

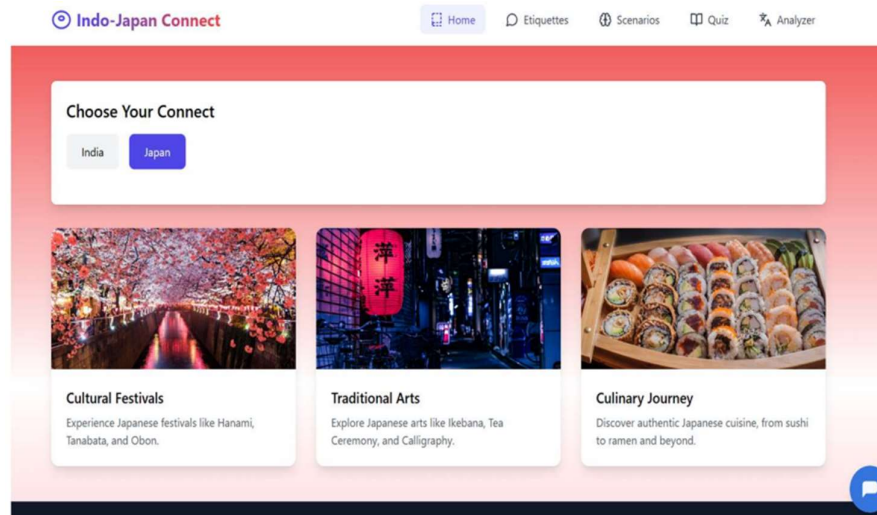


Fig 3: Home page when Japan is clicked

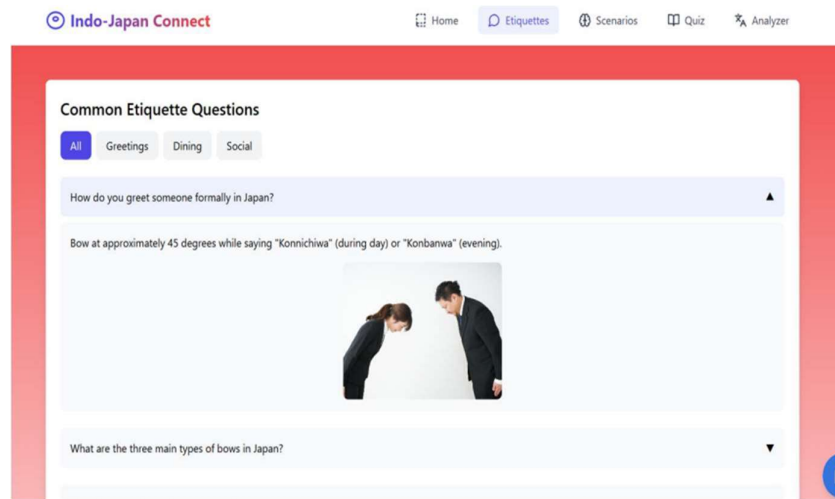


Fig 4: Etiquettes tab

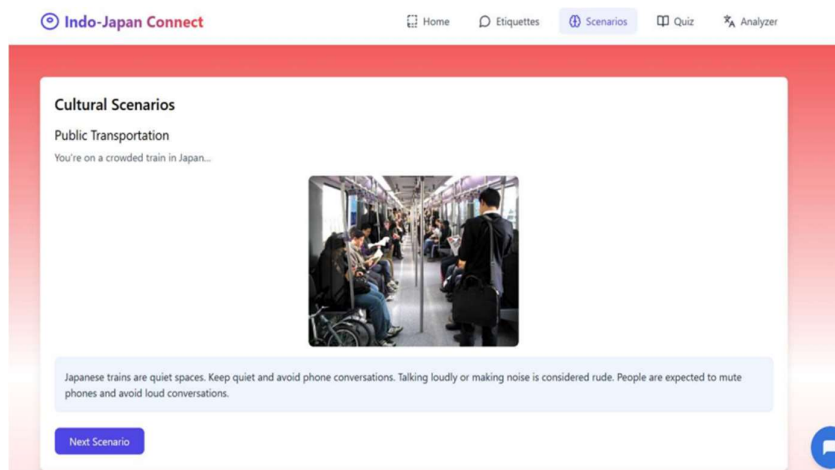


Fig 5: Scenarios tab

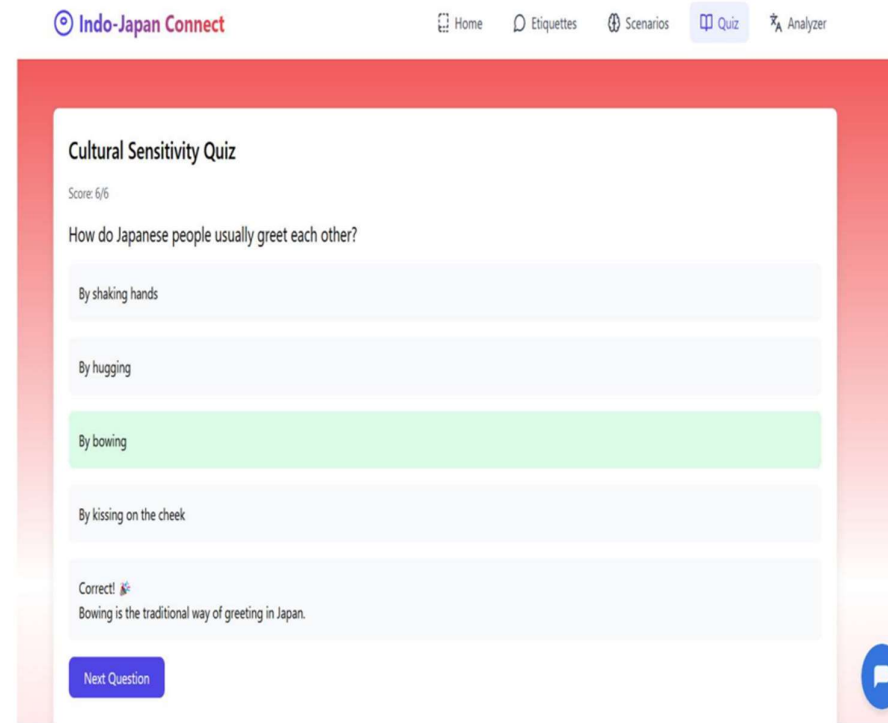


Fig 6: Quiz tab

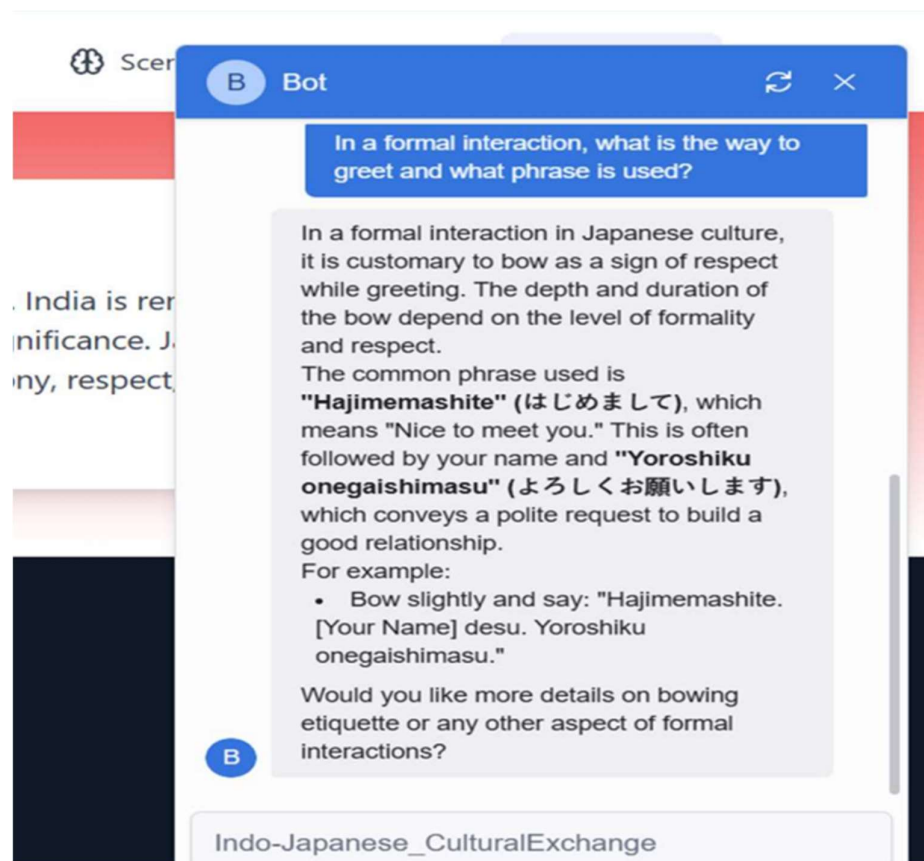


Fig 7: Chatbot

CONCLUSION

The project effectively meets its goal of promoting cultural sensitivity between India and Japan through a user-friendly web platform. Leveraging modern web technologies like React, TypeScript, Tailwind CSS, and Vite, the project successfully combines educational content with interactive design.

The modular structure, clean UI, and responsive layout make it scalable and maintainable for future enhancements such as multilingual support and user accounts.

The platform demonstrates how web development can serve as a bridge for cross-cultural understanding and education, providing users with both practical knowledge and an engaging experience.

REFERENCES

- [1] Microsoft, “TypeScript: JavaScript with syntax for types,” GitHub Repository, 2024. [Online]. Available: <https://github.com/microsoft/TypeScript>
- [2] S. Kumagai, “Cross-Cultural Communication Between Japan and India: Observations and Insights,” *International Journal of Intercultural Relations*, vol. 45, pp. 120–130, 2015.