Report: Gemini Clone Flutter Project - Internship Progress

Introduction:

This report summarizes the accomplishments achieved during the development of a Gemini Clone application using Flutter.

Achievements:

The following objectives and requirements outlined in the project assignment have been successfully met:

- **Chat Interface:** A clean and functional chat interface has been developed, featuring:
  - User messages aligned to the right.
  - AI (Gemini) responses aligned to the left.
  - An input field with a "Send" button for user interaction.
- **Gemini API Integration:** The application successfully integrates with the Google Gemini API to send user prompts and receive AI-generated responses.
- **Loading States and UX:**
  - A loading indicator is implemented to provide clear feedback to the user while awaiting API responses.
  - Efforts have been made to ensure a smooth and responsive user experience.
- **Error Handling:**
  - Proper error handling has been implemented to gracefully manage various error scenarios, like No internet connection.
- **Flutter Best Practices:**
  - The project adheres to Flutter development best practices.
- **Responsive Design:**
  - The application features a responsive design, ensuring compatibility across different screen sizes using `flutter_screenutil`
- **UI/UX Design:**
  - A clean, minimalistic layout has been implemented.
  - Placeholder avatars are used for user and AI representation.
- **Code Management:**
  - The project code is organized in a proper file/folder structure.
  - The code has been pushed to a GitHub repository.

Technical Requirements - Partially Met:

- **State Management:** While effective state management has been implemented, the project does not utilize GetX as specified.

Optional Enhancements Completed:

The following optional enhancements have been successfully implemented:

- **Voice-to-text input:** The application supports voice-to-text input using speech recognition and it works reso
- **Theme switcher:** A theme switcher allows users to toggle between dark and light mode.

Optional Enhancements Not Completed:

- **Save conversation history locally using Hive or SQLite:** Due to time constraints, this optional enhancement was not implemented.

Conclusion:

The Gemini Clone Flutter project has been completed to the best of my ability considering the time constraint . The look and feel of the app can be further improved .