**AI Voice Alarm Using Gemini API**

**Overview**

This Activity Planner application integrates AI to enhance traditional alarm systems by using AI-generated voice messages instead of traditional alarms. This innovation addresses the issue where users forget the reason for setting an alarm.

**Key Features**

1. **Record Activity**: Allows users to input an activity along with the date and time.
2. **Upcoming Activities Display**: Lists all upcoming activities.
3. **AI Voice Alarms**: Generates and plays AI voice messages for alarms, reminding users of their scheduled activities.
4. **Desktop Notifications**: Provides visual alerts using browser notifications.
5. **Voice Synthesis**: Converts text reminders into AI voice messages using a voice synthesis API.

**Technologies Used**

1. **HTML/CSS**: For the structure and styling of the web application.
2. **JavaScript**: For handling user interactions and integrating with APIs.
3. **Gemini API**: For fetching additional data or performing backend-related tasks.
4. **Web Speech API**: For basic text-to-speech conversion.
5. **Voice Synthesis API (e.g., Google Text-to-Speech API)**: For generating AI voice alarms.

**Application Flow**

1. **Page Load**:
   * The application requests notification permissions.
   * It greets the user with a spoken message: "Have a great day!".
2. **Form Submission**:
   * Users input an activity, date, and time.
   * The application verifies the input and schedules an AI voice alarm if the date and time are valid.
3. **AI Voice Alarm Trigger**:
   * At the scheduled time, the application uses the Web Speech API or a voice synthesis API to generate an AI voice reminder.
   * It displays a desktop notification and plays the AI voice message, reminding the user of their activity.
4. **Date Input Change**:
   * When the user selects a date, the application speaks a motivational quote based on the day of the week.
   * It optionally highlights Sundays in the date input field.

**Voice Synthesis for AI Voice Alarms**

The core feature of this application is the AI-generated voice alarms. This can be achieved using the Web Speech API for basic text-to-speech or advanced voice synthesis APIs like the Google Text-to-Speech API for higher quality AI voice generation.

**Benefits**

* **Personalization**: Users receive personalized AI voice reminders, enhancing the recall of the purpose behind each alarm.
* **Efficiency**: Helps users stay organized and ensures they don't miss important activities.
* **Innovation**: Integrates AI technology with traditional alarm systems, providing a more engaging and effective alarm experience.

**App link:** <https://salmon-michal-38.tiiny.site>

