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SMART NEWS APP

Introduction

In the digital era, the way people consume news has shifted drastically, with real-time updates and personalized content becoming essential. The development of a smart news app addresses these needs by combining real-time data fetching, machine learning (ML), and advanced database management to create a seamless and user-focused news consumption experience. Users can access the latest news, ensuring they stay informed about current events.

Key Features and Functionalities

1. News Display

- Home Page: Lists news articles categorized into Breaking News.
- List of all news.
- Dynamic Updates: Periodically refreshes news using API calls.

2. Machine Learning for News Classification

3. API Integration

- Fetches news articles using APIs like [NewsAPI](#) or any other API.

4. Graphs and Charts

- User Dashboard:
 - Displays visualizations such as:
 - Pie chart of news categories (e.g., Politics 40%, Sports 30%).
 - Line graph of breaking news frequency over time.

5. Databases

- Local Database:
 - Saves articles for offline viewing.
- Remote Database:
 - Syncs breaking news and article interactions.
 - Maintains user profile.

6. Notifications

- Breaking News Alerts:
 - Sends push notifications for breaking news.

7. Additional Functionalities

- Language:

News can be translated to 3 or 4 languages.
- Dark Mode:
 - Supports light/dark themes for enhanced user experience.