



TECH MAHINDRA TRAINING BATCH - 1

Techsta

A Student Friendly Tech Feed Assistant App

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Introduction



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- Techsta is a Flutter-based mobile application designed to help students prepare for IT job interviews.
 - It provides the latest tech updates and study materials in a user-friendly way.
 - It also includes AI-powered assistance and a notepad .



Key Features



Real-Time Tech News

Fetches the latest tech updates from various sources.

Bookmark Articles

Allows users to save and access favorite articles anytime.



Notepad Feature

Users can take and store important notes for future reference.



Key Features



AI Chat Assistant

Provides instant coding and tech-related guidance.

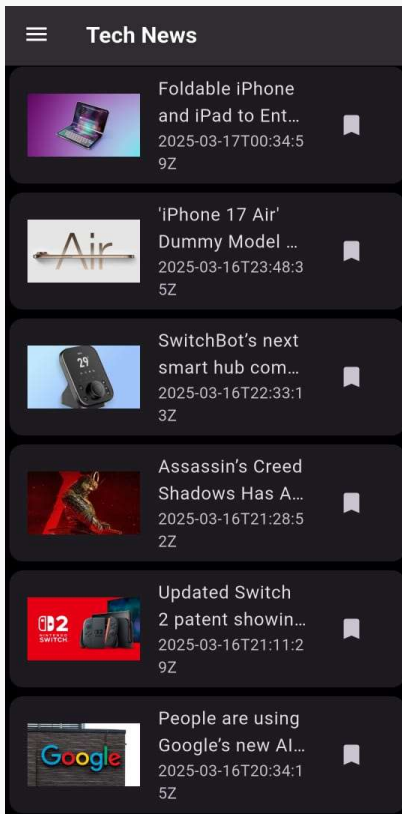


Multi-language Support

Supports various languages for global accessibility.



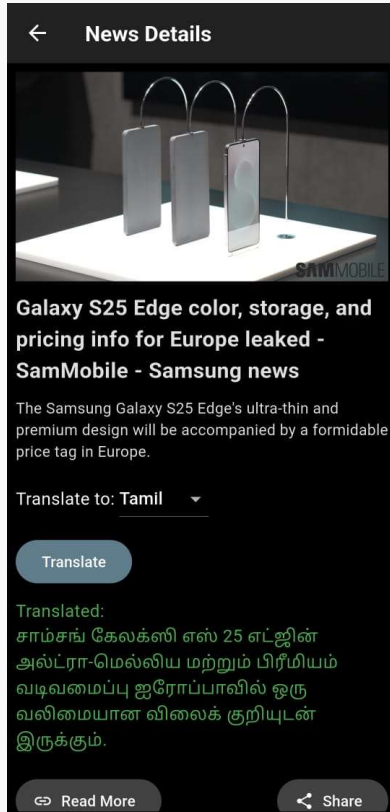
Application Workflow



Browsing Tech News with TECHSTA

- The user launches the Techsta app, which displays trending technology news from various sources.
- The home screen is personalized with categories by the User like, Cybersecurity, Blockchain, Gadgets, and more as per their wishes.
- Users can apply filters or search for specific topics to refine their news feed.

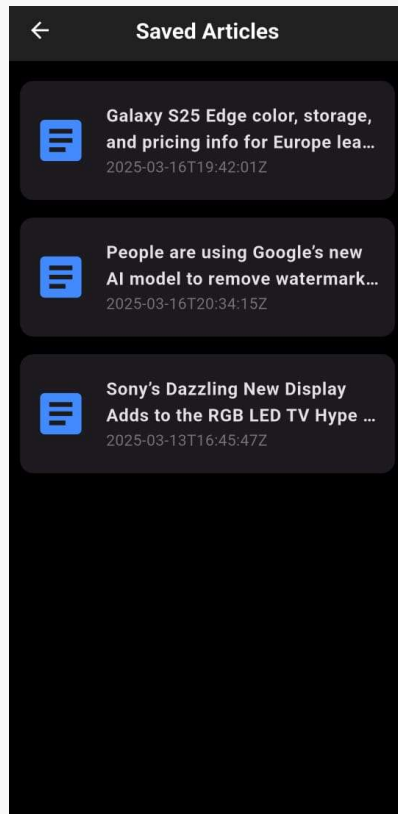
Application Workflow



Reading & Interaction:

- When a user selects an article, it opens in a reader-friendly format, removing distractions.
- Options to adjust text size, enable dark mode, or switch between sources for comparison.
- Users can bookmark the article, highlight key points, and take in-app notes for future reference.

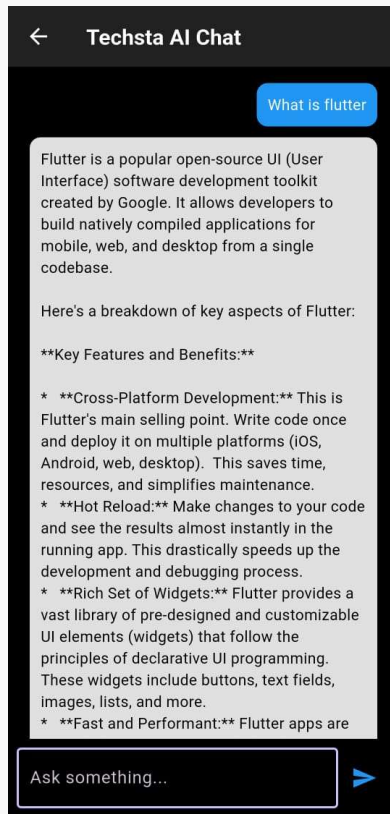
Application Workflow



Bookmark & Save for Later:

- The bookmarked section allows users to categorize saved articles into folders or tags for better organization.
- An offline reading mode is available, enabling users to download articles for later access.

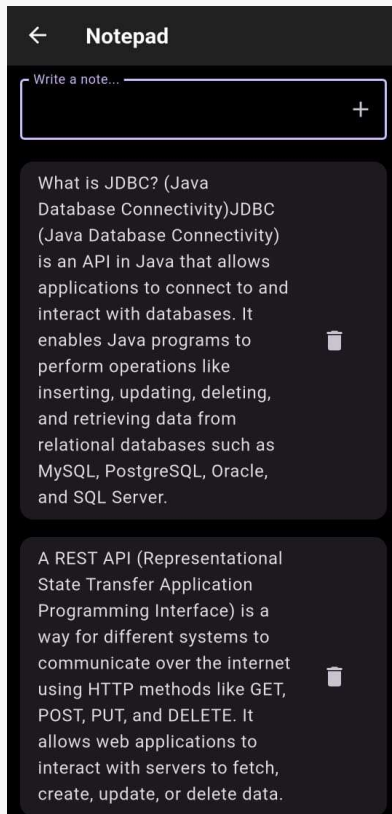
Application Workflow



AI Chat Assistance:

- A built-in AI chat assistant helps users with programming queries, interview preparation, and debugging code snippets.
- Users can ask questions, get code suggestions, or even access pre-built coding templates.

Application Workflow



Secure Note Storage with Firebase:

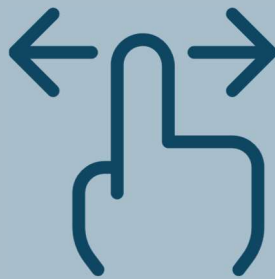
- Users can create, edit, and organize notes directly within the app.
- All notes are automatically synced with Firebase, ensuring secure cloud storage and accessibility from multiple devices.
- Users can export notes as PDFs or share them with peers.

Flutter Concept Used



State Management

- Efficient data handling using Provider for dynamic UI updates.



Navigation & Routing

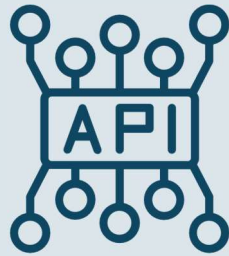
- Smooth screen transitions for a better user experience.



Firebase Integration

- Firestore is used for storing bookmarks and notes.

Flutter Concept Used



REST API Handling

- Fetches real-time news content dynamically from various sources.



Localization

- Enables multi-language support for wider accessibility.

Technologies Used

Flutter

Open-source framework for creating a cross-platform mobile app.



Dart

Programming language used to build the app efficiently.



Firebase

Provides cloud-based services like Firestore and Authentication.



Rest API

Fetches and integrates real-time tech news from external sources.



GitHub

Version control system for managing and collaborating on the project.





Thank you !

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