



RAMSA AI

Presented by **Future Minds**



AI Model Teacher for Arabic Language

Innovative AI-Powered Language Learning Solution by

**Fu.ture
minds**

Problems Faced by Non - Native Speakers

1. Understanding Formal vs Casual Language
2. Contextual Appropriateness
3. Lack of Resources for Dialects
4. Pronunciation Variations
5. Learning Motivation and Practicality

Our Solution

- 1. Integrated Formal and Casual Learning Modes**
- 2. Contextual Examples and Scenarios**
- 3. Pronunciation Assistance**
- 4. Interactive Conversational Practice**
- 5. History Tracking**

Target Audience



**One who needs
to translate**



**One who speaks,
but needs help**



**One who wish to
learn basic words**

Current Features

- 1. Translation: Enter any Arabic word and get its translation in real-time.**
- 2. Transliteration: View the transliteration of the Arabic word to understand its pronunciation.**
- 3. Pronunciation: Listen to the pronunciation of the translated word using Azure TTS.**
- 4. 3D Classroom: Experience a virtual classroom environment with a 3D teacher.**

Technologies Used

1. React: UI library
2. Threejs: 3D graphics
3. Next.js: SSR & static sites
4. Zustand: State management
5. Yarn: Dependency management
6. Falcon180b Instruct: LLM via AI71 API
7. Azure TTS: Text-to-speech

Areas of Improvement

1. Response time between AI response and TTS
2. 10s timeout issue of the vercel free hosting tier
3. Support for multiple dielects
4. Support for multiple languages
5. 3D model load time

The Future Minds Team



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