

AI DEBATE COMPANION

INTELLIGENT PLATFORM FOR PRACTICING DEBATES WITH AI

ABOUT US

SERVER SURVIVORS

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INTRODUCTION OF AI DEBATE COMPANION

Debating improves communication, reasoning, and critical thinking.

However, finding partners and judges is difficult.

AI Debate Companion solves this by using artificial intelligence to:

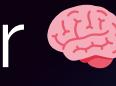
- Assign random topics
- Pair opponents
- Evaluate and rank performances automatically

OBJECTIVE

- To provide a platform where users can practice debating against AI opponents.
- To automatically judge debates and provide scores.
- To maintain a history of debates with scores.
- To support voice input for argument submission.

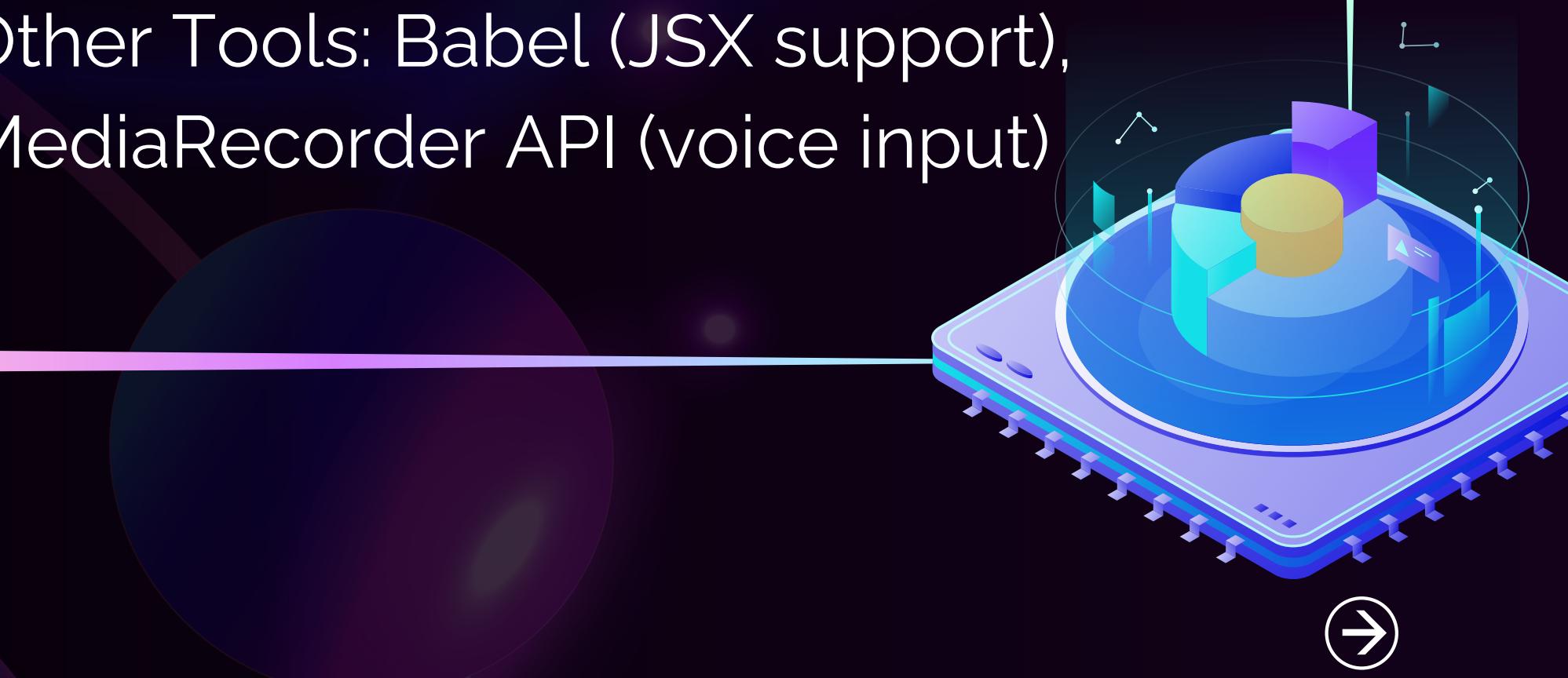


KEY FEATURES

1. Random Topic Generator 
2. Random Opponent Generator 
3. Auto-generate Opponent Arguments 
4. Debate Judging with Scores 
5. Debate History with Scores 
6. Microphone Recording for Arguments 

TECHNOLOGY STACK

Frontend: React.js, CSS
Backend: Node.js, Express
Database: MongoDB
API Calls: Axios
Other Tools: Babel (JSX support),
MediaRecorder API (voice input)



WORKFLOW / HOW IT WORKS

1. User selects random topic.
2. User selects or generates random opponent.
3. User types or records argument using microphone.
4. Opponent argument is auto-generated by AI.
5. Click Judge Debate → result with numeric scores displayed.
6. Debate details stored in MongoDB for history.



SCORE CALCULATION



Scores are randomly generated for demo purposes (0-100).

Logic:

- **userScore > opponentScore → User Wins**
- **userScore < opponentScore → Opponent Wins**
- **userScore = opponentScore → Draw**

Both scores are stored in MongoDB and displayed in history.



CHALLENGES

Integrating microphone recording with React.

Maintaining real-time scoring with frontend updates.

Ensuring cross-device compatibility (mobile & desktop).

Handling backend connection issues for API calls.

FUTURE ENHANCEMENTS

- AI-generated smarter opponent arguments.
- Real analytics & progress tracking for users.
- Voice-to-text argument submission with auto-judge.
- Graphical visualization of score comparison.
- Multi-user debate room support.



THANK YOU!

