AITRANSCRIPTION AND SUMMARIZATION

BY

SYNTAX SQAUD

for

COSMOS HACKX

THE TEAM MEMBERS



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PROBLEM STATEMENT:



Problem:

- •- Watching long videos (lectures, meetings, podcasts) is time-consuming
- •- Revisiting and note-taking from video content is inefficient

Solution:

•An AI-powered tool that transcribes and summarizes videos/audio files into clear, actionable takeaways.

TECH STACK:-

- •- Web Dev: Streamlit / React, Flask / FastAPI
- •- Al Models: Whisper (speech-to-text), GPT-3.5/4 (summarization)
- •- Video Handling: FFmpeg, MoviePy
- •- Storage: SQLite / MongoDB
- •- Deployment: Render / Vercel / Docker



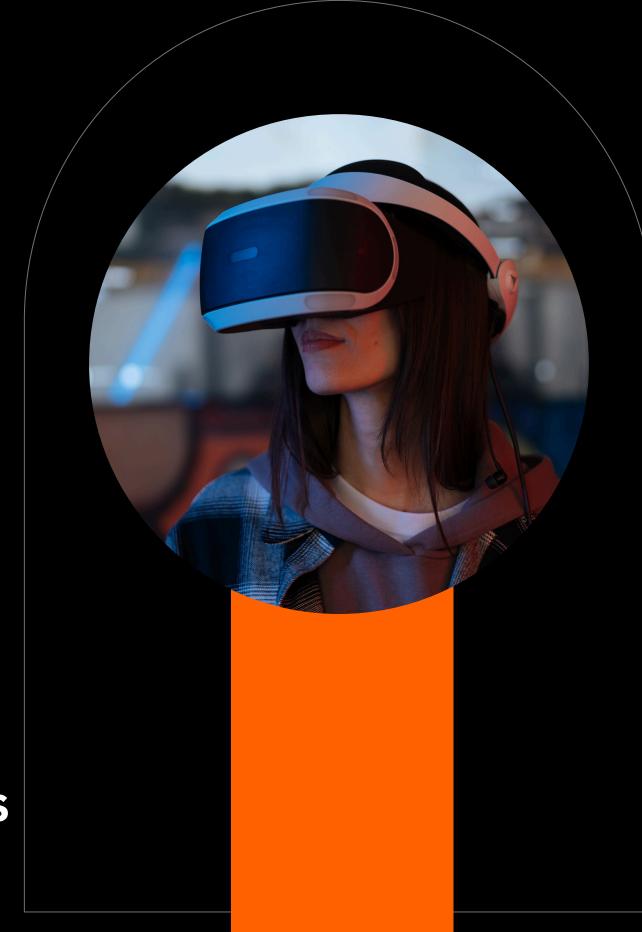


FUTURE SCOPE & CONCLUSIONS

Future Enhancements:

- •- Multilingual transcription
- Speaker detection (WhisperX)
- •- Emotion & tone detection

Conclusion: SmartSummarizer.AI transforms long videos into quick summaries using powerful AI tools—saving time, boosting productivity.



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