

AI TRANSCRIPTION AND SUMMARIZATION

BY

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for

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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
- AI 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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**THANK
YOU**