



THE
BIG LEAP
aspire. achieve. excel.

linkzie
TALENT QUEST



CODE FORGE

Idea submission



Team details

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Our solution

**Seniors
Artificial Intelligence**





TECHNICAL APPROACH

Stage

Technology

Frontend

React.js (Vite) + TailwindCSS

Backend

FastAPI (Python)

Transcription

youtube_transcript_api

AI Model

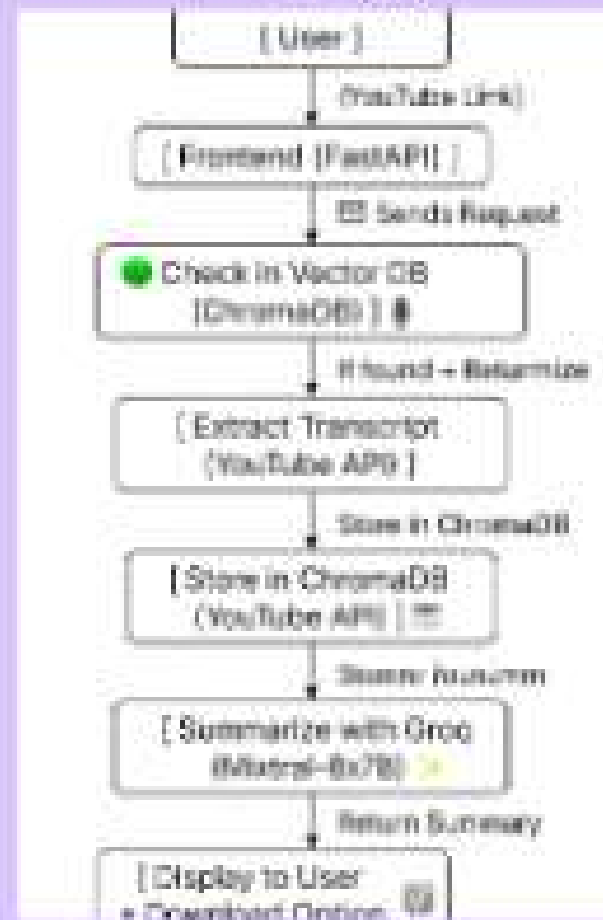
Groq

API Hosting

Postman



Workflow/pipeline





Feasibility & FUTURE SCOPE

Pros

Fast & Automated – Quickly extracts key insights from videos, saving time.

Efficient & Scalable – Uses RAG & ChromaDB for optimized storage and retrieval.

User-Friendly & Cost-Effective – Minimal UI, reduced API costs, and multi-language support.

Cons

API & Accuracy Limits – YouTube API restrictions and transcription errors may affect results.

High Resource Demand – Requires GPUs, storage management, and can have processing delays.

Legal & Ethical Concerns – Copyright issues and summarization accuracy need careful handling.

Future Scope

Advanced AI Summarization – Support for visuals, personalized summaries, and real-time processing.

Cross-Platform Expansion – Extend to articles, podcasts, meetings, and mobile apps.

Multi-Language & Performance Boost – Better translation, faster response times, and AI fine-tuning.