**Visual vs Voice – An AI-Powered Platform**

Visual vs Voice is a full-stack, next-gen AI web application that allows users to generate images using voice prompt as well as text prompts and engaging animated videos from text using advanced AI models. Built using modern web technologies like Next.js, Tailwind CSS, and Python integrations, V3 Visual Vs Voice seamlessly combines AI-powered story generation, image creation, voiceovers, and animation into one cohesive platform.

[Watch Demo.mp4 on Google Drive]

(<https://drive.google.com/file/d/1JFDlH2plcEfJ3RpHahIXKTziQox4D88l/view?usp=drive_link>)

Note: The video was too large for GitHub, so it's hosted on Google Drive.

# Features

Input Options

* - Text-to-Speech
* - Speech-to-Text
* - Text-to-Image
* - Text-to-Animation Video

Complete AI Storytelling Pipeline

1. Story Generation (Gemini API)
2. Voiceover Creation (Eleven Labs API)
3. Image Generation per Scene (Monster API)
4. Image Animation (AI Video API)
5. Final Video Compilation (FFmpeg)

UI & Experience

* - Inspired by Leonardo AI, Haiper AI, and Kling AI
* - Modern UI with Dark Mode and Light Mode, animated interactions, and gradient UI elements • - Colorful, child-friendly but creative and professional design

Authentication

* - Simple username/password login (no email)
* - Secure sessions with cookie-based authentication

Tech Stack

Frontend

* - Next.js (App Router, React Server Components)
* - Tailwind CSS
* - Framer Motion for animations

Backend

* - Next.js API Routes
* - MongoDB Atlas (user data, stories, assets)
* - Python AI Scripts integrated via backend
* - FFmpeg for video merging

# AI Integrations

Feature API Used

Story Generation Gemini

Voiceover Eleven Labs

Image Generation Monster API

Animation AI Video API

Video Compilation FFmpeg (local)

**Run the Development Server**

npm run dev

Run Python Backend (for AI Scripts) python app.py (inside /backend or /ai-scripts folder)

Project Structure

Visual vs Voice/

├── app/components # Next.js App Router pages

├── styles/ # TailwindCSS and custom styles

├── lib/ # Utility functions

├── public/ # Static assets

├── scripts/ # Python scripts for AI tasks

├── ffmpeg/ # FFmpeg video processing

├── database/ # MongoDB models and config

├── .env.local # Environment variables

├── .env # Environment variables

└── README.md

# Contact

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