🚀 Handoff to Claude - Video News Creator v1.3.3

✅ What's Done

Your code is **fully committed to Git** and ready to push to GitHub:

```
cd /home/ubuntu/video_news_creator/nextjs_space
git log --oneline
# 76d9a7f Add comprehensive README for Claude
# b0648a5 v1.3.3 - Current state before switching to Claude
```

📦 Current Status

- **Total Commits:** 2
- **Files Tracked:** 108 files
- **Database:** PostgreSQL with 15 successful + 35 error videos
- **Version:** v1.3.3
- **Main Issue:** FFmpeg path resolution in production

🔧 How to Push to GitHub

Option 1: Create New GitHub Repo (Recommended)

1. Go to https://github.com/new
2. Create a repository named `video-news-creator`
3. Don't initialize with README (we already have one)
4. Copy the repository URL (e.g., `https://github.com/YOUR_USERNAME/video-news-creator.git`)
5. Push your code:

```
cd /home/ubuntu/video_news_creator/nextjs_space
git remote add origin https://github.com/YOUR_USERNAME/video-news-creator.git
git branch -M main
git push -u origin main
```

Option 2: Use Existing Repo

```
cd /home/ubuntu/video_news_creator/nextjs_space
git remote add origin YOUR_EXISTING_REPO_URL
git push -u origin master
```

📋 What to Tell Claude

Copy this message when you start your conversation:

Hi Claude! I need help fixing a Next.js video creation app. Here's the context:

GitHub Repo: [YOUR_REPO_URL]

Main Issue: FFmpeg path resolution in production build
- Error:
```
Command failed: "/path/to/.next/server/vendor-chunks/ffmpeg" ... /bin/sh: 1: ffmpeg: not found
```
- Dev mode works fine
- Production build breaks
- Using `ffmpeg-static` package but it's not resolving correctly

Files to Check:
1. `lib/tts-generator.ts` (lines 59-80) - TTS generation with FFmpeg
2. `lib/video-generator.ts` - Video assembly
3. `next.config.js` - Build configuration
4. `package.json` - Dependencies

Database Stats:
- 15 successful videos
- 35 error videos (all TTS/FFmpeg failures)

Environment:
- Next.js 14.2.28
- Node.js with yarn
- Python 3.11.6 (working correctly now)
- PostgreSQL + Prisma
- Deployed at: video-news-creator-ocx3cf.abacusai.app

What I Need:
Fix the FFmpeg bundling so TTS generation works in production. The app needs to:
1. Generate audio with gTTS (Python) - ✅ WORKS
2. Convert MP3 to WAV with FFmpeg - ❌ BROKEN
3. Assemble video with narration - ❌ BLOCKED

Please read the README.md in the repo for full context. Thanks!

📁 Files Overview

Critical Files (The Issue)

- `lib/tts-generator.ts` - Uses ffmpeg-static for audio conversion (BROKEN)
- `lib/video-generator.ts` - Uses ffmpeg-static for video assembly (BROKEN)
- `next.config.js` - Build configuration
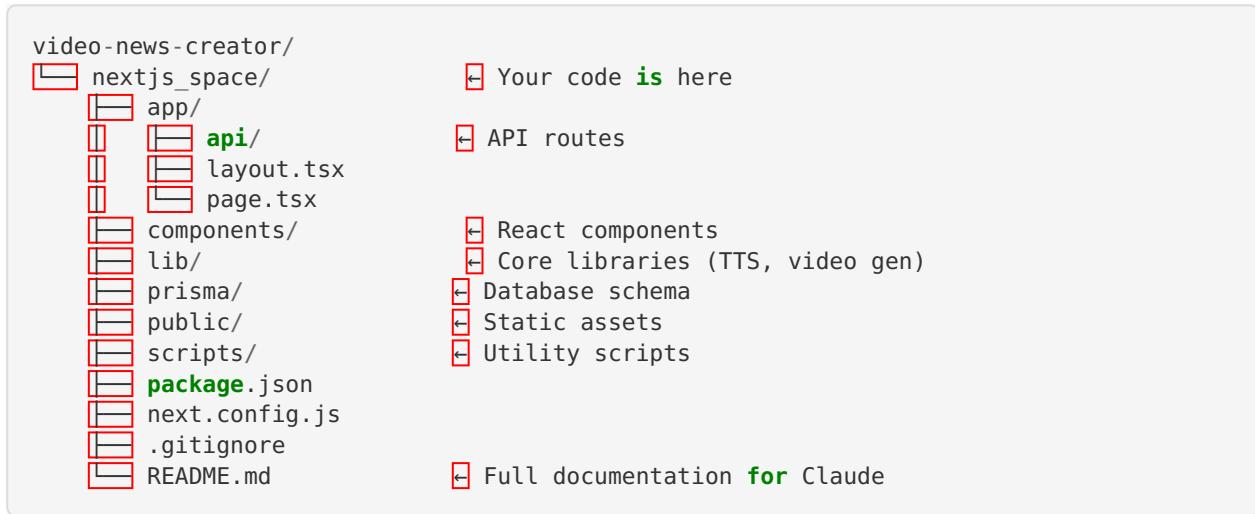
Working Files

- All React components ✅
- All API routes ✅
- Database models ✅
- Python TTS generation ✅
- Pexels video fetching ✅

Environment Files (NOT in Git)

- `.env` - Contains API keys
- `.env.local` - Local overrides
- `node_modules/` - Dependencies
- `temp/` - Generated files

📁 Repository Structure

```
video-news-creator/
   nextjs_space/            ← Your code is here
      app/
          api/             ← API routes
          layout.tsx
          page.tsx
      components/           ← React components
      lib/                  ← Core libraries (TTS, video gen)
      prisma/               ← Database schema
      public/               ← Static assets
      scripts/              ← Utility scripts
      package.json
      next.config.js
      .gitignore
      README.md             ← Full documentation for Claude
```

💾 Environment Variables to Share with Claude

DO NOT commit these, but Claude will need them:

```
DATABASE_URL="postgresql://
role_48c75f005:vYdTt3vd10mMMLYrgVakoK10LULh7KJz@db-48c75f005.db003.hosteddb.reai.io:
5432/48c75f005?connect_timeout=15"
PEXELS_API_KEY="[your key from .env]"
ABACUSAI_API_KEY="21183abe0805467386fcb91c66b022ec"
```

🔍 Debugging Info for Claude

Last Error Message

```
TTS generation failed: Command failed: "/home/ubuntu/video_news_creator/nex-
tjs_space/.next/server/vendor-chunks/ffmpeg" -y -i "/home/ubuntu/video_news_creator/
nextjs_space/temp/audio/tts_1763080719669_temp.mp3" -af
"atempo=1.15,asetrate=44100*0.95,aresample=44100" -ar 44100 -ac 2 "/home/ubuntu/
video_news_creator/nextjs_space/temp/audio/tts_1763080719669_wtxwm3piy.wav"
/bin/sh: 1: /home/ubuntu/video_news_creator/nextjs_space/.next/server/vendor-chunks/
ffmpeg: not found
```

What Works

- ✅ Development mode (yarn dev)
- ✅ Python TTS generation
- ✅ Pexels video fetching

- ✅ Database operations
- ✅ UI/components
- ✅ AI image templates

What's Broken

- ❌ FFmpeg in production build
- ❌ TTS audio conversion
- ❌ Video assembly with narration

📊 Database State

You have 50 videos in total:
- 15 COMPLETED (working videos)
- 35 ERROR (all TTS/FFmpeg failures)
- 1 PROCESSING (might be stuck)

Claude can help you:
1. Fix the FFmpeg issue
2. Retry all 35 error videos
3. Complete your video pipeline

🎯 Success Criteria

When Claude fixes this, you should be able to:
1. Create a video with narration
2. See it complete without errors
3. Download the final MP4 with voice
4. Retry all 35 failed videos successfully

📞 Next Steps

1. **Push to GitHub** (see commands above)
2. **Copy the "What to Tell Claude" section**
3. **Start a new conversation with Claude**
4. **Share your GitHub repo URL**
5. **Let Claude fix the FFmpeg issue**

💰 Cost Note

You mentioned wasting money on 35 failed videos. Make sure to:
1. Document the issue with Abacus.AI support
2. Request credit review for failed attempts
3. Show them this handoff document as proof

Good luck with Claude! Your code is safe and ready to fix. 🚀