



YouTube Thumbnuils

LabLab.ai Stable Diffusion 2.0 AI Hackathon

Problem



YouTube Stats:

- 3.7 million videos daily
- 114 million active channels

Photoshop expensive

Canva sucks

Solution

SDXL + Next.js = Awesome

QUICK
NEXT.JS
TUTORIAL

FREE AI
Tool for
YouTube
Content



Get
Creative:
AI Video
Ideas to
Try

This is
some
SAMPLE
text

AI
Video
Hacks!



Instantly Generate **Eye-Catching** Youtube Thumbnails

YouTube Video Title or Topic:

Enter your YouTube video title or topic

Generate →

“Next.js HTML Template
Tutorial in 5 mins (as React
beginner)”



QUICK
NEXT.JS
TUTORIAL



How We Built

The Call

The Team

lablab.ai Team Server 1

general-discussions

GOAL: LVL 1 0/2 Boosts

Tycoon 04/07/2023 10:03 AM
Attention all innovators, creators, and tech enthusiasts!

We're assembling a team of brilliant minds for the hackathon to create the ultimate YouTube thumbnail generator on the web. Are you up for the challenge?

Here's why you should be excited:

Our project sits at the cutting-edge intersection of GPT and Stable Diffusion technologies, blending the best of both worlds without overwhelming complexity. It's time to step up our game and outshine Midjourney, which has been outperforming open-source Stable Diffusion for too long. With SDXL's potential, we're set for success!

Using a 6GB 3060, we can seamlessly generate 1280x720 images that captivate and inspire. To make our tool truly exceptional, we need your expertise:

- Next.js frontend designers: Help us craft a sleek, user-friendly interface that will delight users and make our thumbnail generator their go-to choice.
- Backend Python developers: Join forces to automate the generation process, ensuring a smooth and efficient experience for every user.

Together, let's redefine the YouTube thumbnail game and create the best generator the internet has ever seen!

Are you in? Join team "Youtube Thumbnails" and let's make history!


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Ty Coon
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The Mastermind



Rushil Jha
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Product designer



Donald Nwokoro
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Backend Developer

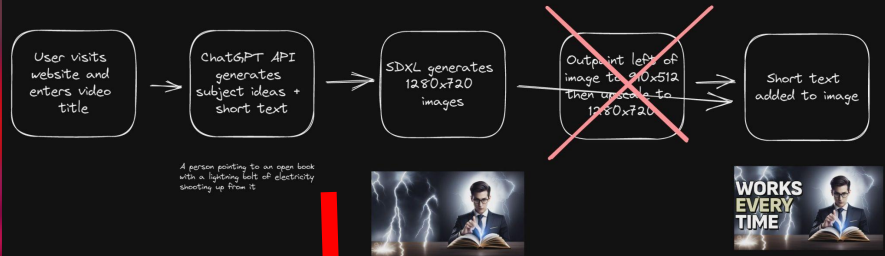


Yupin Nu
(easyai_studio605)
Founder

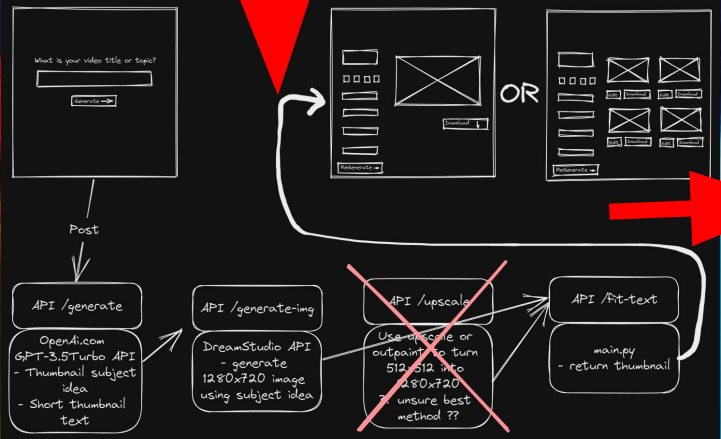
How We Built

Concept

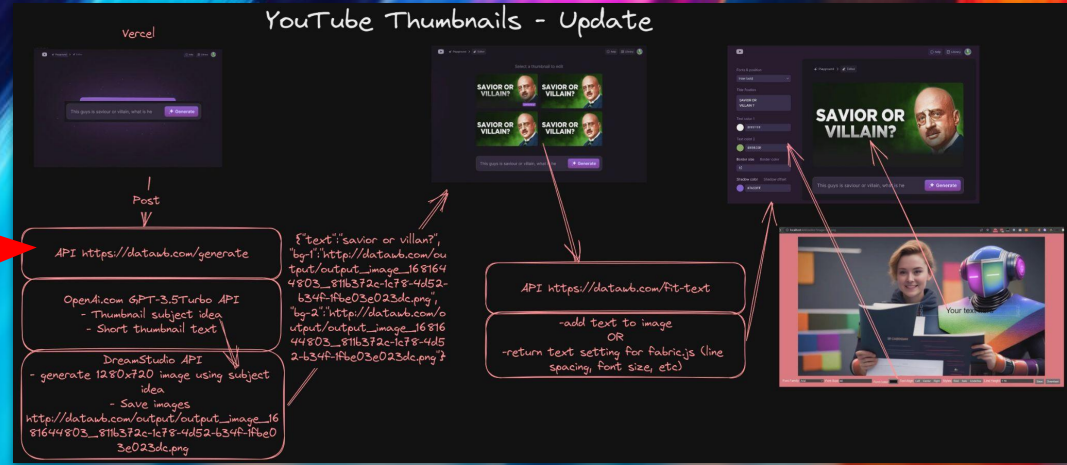
YouTube Thumbnails - SD Hackathon



YouTube Thumbnails - SD Hackathon Scope

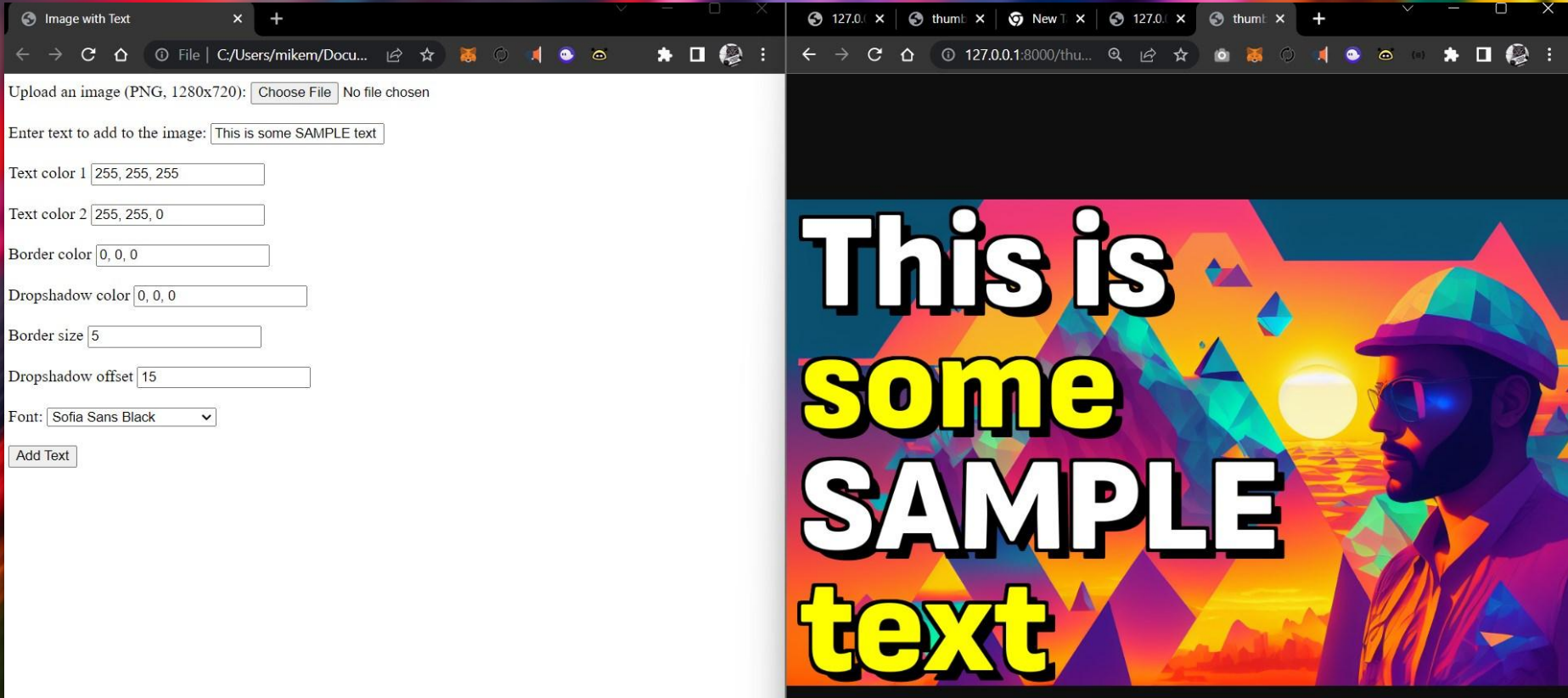


YouTube Thumbnails - Update



How We Built

Prototype



How We Built Prototype Next.js + Fabric.js

ChatGPT Prompt

You are the worlds expert Next.js programming assistant.

Create a Next.js application called "YouTube Thumbnail Generator" with the following features:

1. Set up the project structure:

- o Create a new Next.js project using the command `npx create-next-app youtube-thumbnail-generator`.
- o Install the fabric.js library using `npm install fabric`.
- o Create a components directory and add the following components:
 - o MainScreen.js
 - o ThumbnailEditor.js
 - o LibraryScreen.js

2. Implement the MainScreen component:

- o Display form with input box labeled "title" and submit button labeled generate
- o When user submits progress bar shows and form submits to <https://datawb.com/generate.php> returning json:

```
{  
  "bg1": "https://datawb.com/out/v1_txt2img_0_2023-04-19_21-20-35-814311.png",  
  "text": "Quick\nNext.JS\nTutorial",  
  "font-size": "140",  
  "font-family": "Impact",  
}
```

- o When JSON is received navigate to the ThumbnailEditor component, passing the JSON for use in fabric.js

3. Implement the ThumbnailEditor component:

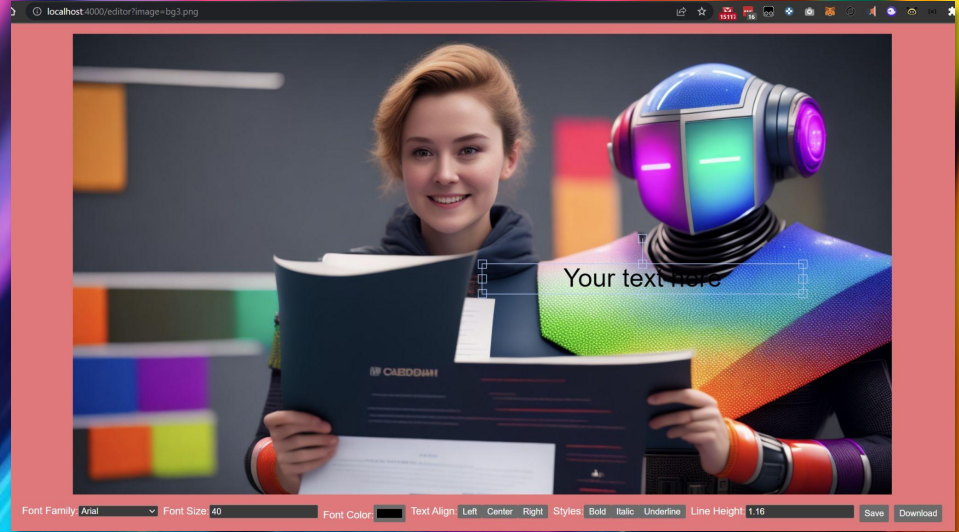
- o Use fabric.js to create a canvas with the dimensions 1280x720 pixels.
- o Store bg1 image in the browser's local storage to prevent fainted canvas download errors
- o Display the background image on the canvas and add an editable text overlay with default properties (font family, size, color, etc.).
- o Create a toolbar with controls for modifying text properties, such as:
 - o Font Family
 - o Add "Save" and "Download" buttons to the toolbar:
- o When the user clicks "Save," store the data needed to recreate the thumbnail in the browser's local storage for retrieval in LibraryScreen.
- o When the user clicks "Download," download the generated thumbnail as a PNG file.

4. Implement the LibraryScreen component:

- o Retrieve saved thumbnails from the browser's local storage and display them in a grid format with fixed width and height.
- o Add a "Download" button under each thumbnail, allowing users to download their saved thumbnails as PNG files.

5. Connect the components in the application:

- o Update the index.js file in the pages directory to display the MainScreen and



BUT Vercel + Tainted Canvas errors

```
Deployment  Logs  Functions  Source  
21:00:14.249 info - Compiled successfully  
21:00:14.253 info - Collecting page data...  
21:00:15.071 Error: /lib64/libc.so.6: version 'GLIBC_2.28' not found (required by /vercel/path0/node_modules/canvas/build/Release/libglLib-2.0.so.0)  
at Module._extensions..node (node:internal/modules/cjs/loader:1302:18)  
21:00:15.072 at Module.load (node:internal/modules/cjs/loader:1081:32)  
21:00:15.072 at Module._load (node:internal/modules/cjs/loader:922:12)  
21:00:15.072 at Module.require (node:internal/modules/cjs/loader:1185:19)  
21:00:15.072 at require (node:internal/modules/cjs/helpers:103:18)  
21:00:15.072 at Object.<anonymous> (/vercel/path0/node_modules/canvas/lib/bindings.js:3:18)  
21:00:15.072 at Module._compile (node:internal/modules/cjs/loader:1218:14)  
21:00:15.073 at Module._extensions..js (node:internal/modules/cjs/loader:1027:10)  
21:00:15.073 at Module.load (node:internal/modules/cjs/loader:1081:32)  
21:00:15.073 at Module._load (node:internal/modules/cjs/loader:922:12) (  
21:00:15.074 code: 'ERR_DLOPEN_FAILED'  
21:00:15.074
```


Business Plan

Target Audience:

YouTubers, Digital Marketing Agencies

Pricing:

Freemium Model (Limited for free),
Subscription (Monthly \$30/Yearly \$300),
Premium High-Tier

A person in a dark coat and hat stands on a set of stairs leading up to a large, ornate archway. The archway is illuminated with a vibrant purple light, and through it, a cityscape is visible. The background is a textured, purple, wavy pattern.

Thank

You
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