BeninGbe2Image

Presented by DreamTeam

Overview

Local communities, especially in rural areas, struggle to preserve their languages and cultural practices amidst rapid societal changes.

Traditional methods of language preservation, such as oral transmission, are becoming increasingly ineffective in the modern digital age.

There is a pressing need for innovative solutions that harness technology to revitalize and sustain local languages and cultures for future generations.

Problems

Problem 1

Local languages and cultures worldwide are facing the threat of extinction due to globalization, urbanization, and the dominance of major languages.

Problem 2

This loss of linguistic and cultural diversity not only diminishes the unique identities of communities but also erases valuable knowledge, traditions, and heritage.

Problem 3

This limited access to cultural representation perpetuates stereotypes, misconceptions, and underappreciation of diverse cultures, hindering efforts for cultural preservation and understanding.

Solution

BeninGbe2Image

Using texts in Fon or Yoruba to generate images via AI algorithms

How does it work technically?

01
The user inputs text prompts in languages like Fon or Yoruba into the application.
This text is processed and prepared for translation and image generation.

02
Text prompts are translated into English using Google Translate API for Yoruba texts and Glosbe for Fon texts. Translation ensures that the data is understood by the image generation model, which may require data in English.

03
The translated text prompts are fed into the image generation model api called stability ai. The model generates culturally relevant images based on the translated text inputs.

04
The generated images are displayed to the user within the application interface.
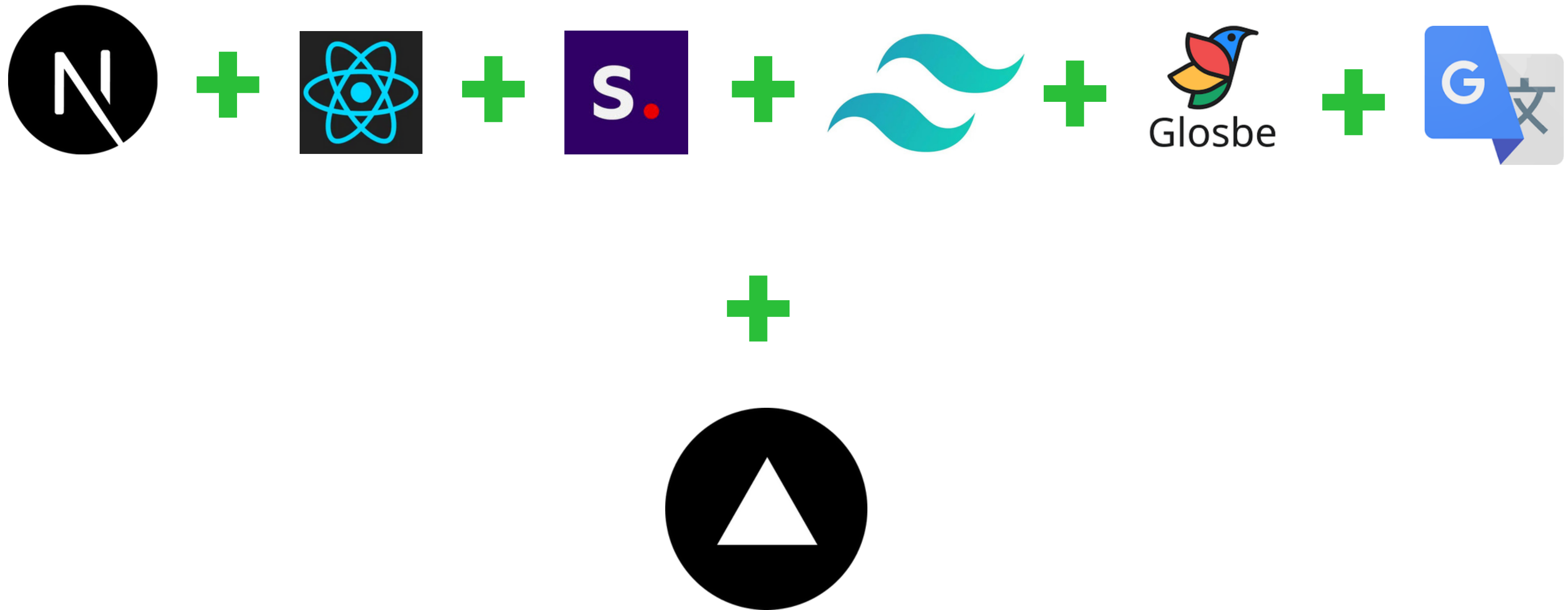
User Interaction

Technologies used

Market Scope

Total Addressable Market (TAM) includes language enthusiasts, agricultural communities, tourism agencies, and Beninese expatriates with businesses abroad.

Serviceable Addressable Market (SAM) extends to regions rich in linguistic diversity, such as Ouidah or Porto-Novo, or in West Africa, where Benin's local languages are prevalent.

Our AI application targets these markets, facilitating cultural exchange and sustainable development while serving the needs of Beninese expatriates and their businesses.

Revenue Streams

Potential revenue sources include :

- licensing the technology to language preservation organizations,

- selling subscriptions to agriculture and tourism agencies,

- and offering customization services.

Future Prospects

- Expansion of Language Support: Include more local languages spoken in Benin, such as Dendi and Bariba, to enhance cultural preservation efforts and promote inclusivity.

- Global Promotion of Benin's Culture: Showcase Benin's rich cultural heritage and natural beauty to a global audience through visually compelling con
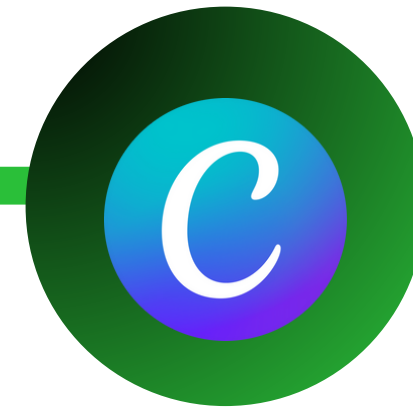
Competitor Analysis

Bing Image Creator

Bing Image Creator is Microsoft's artificial intelligence image generator. Based on an advanced version of DALL-E (the OpenAI generator), the tool creates visuals from a text search.

DALL-E OpenAi

ChatGPT Plus and Enterprise subscribers can generate images with DALL-E 3 directly in the conversational interface, or using the custom DALL-E GPT created by OpenAI.

Text To Image

Text to Image is a free tool in the Canva suite that generates images from a simple text description (English or French). Images can be generated in a variety of styles.

Craiyon

Craiyon is a free AI image generator. Simply insert an English prompt, and Craiyon will generate a mosaic of 9 images, in the form of a 3×3 grid. Content is only available in square format (1024×1024 pixels).

But...

But

The image generation tools cited focus mainly on the creation of general-purpose images and do not support the generation of multilingual and culturally specific content.Although some platforms offer translation functions, they often produce generic or inaccurate translations, resulting in culturally irrelevant images.

Our project sets itself apart by offering multilingual support and cultural relevance in image generation, specifically addressing local Beninese languages such as Fon and Yoruba.
We guarantee accurate translations and culturally appropriate images, enhancing the user experience and promoting cultural diversity.

Key Points

1

Focus on multilingual and culturally relevant image generation

2

Accurate translations and culturally appropriate image outputs.

3

Enhanced user experience and promotion of cultural diversity.
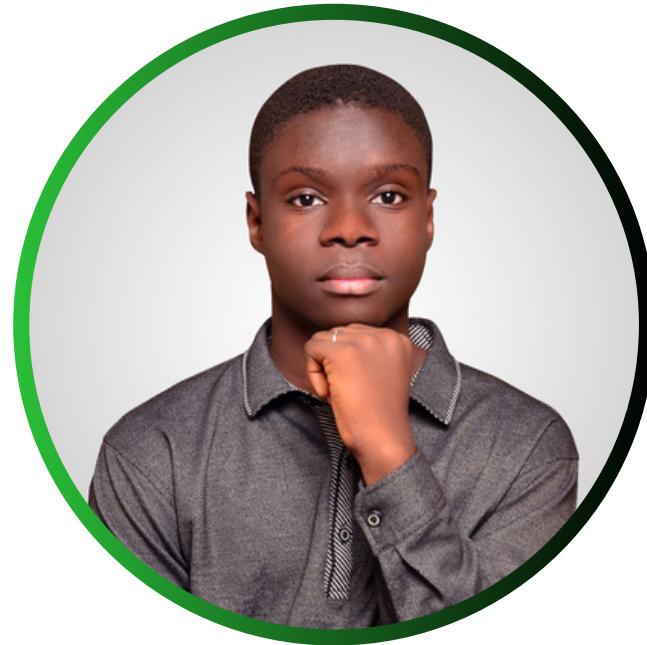
Our Team

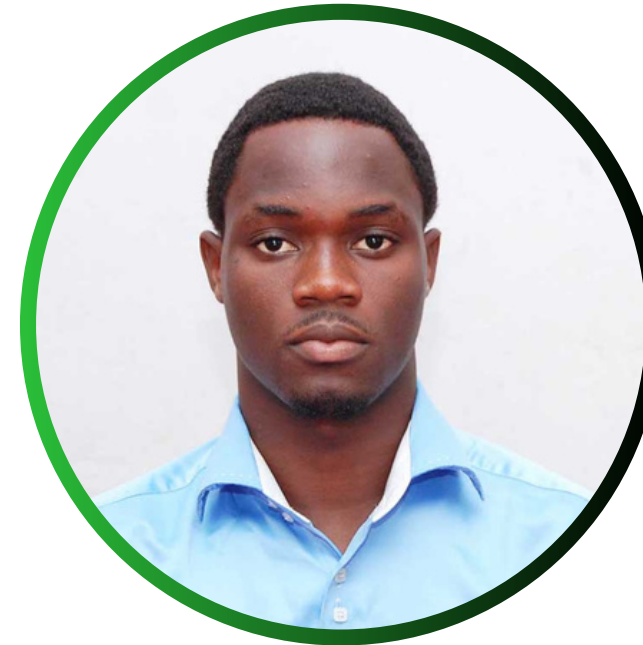**Freddy Agbona**

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Thank you