

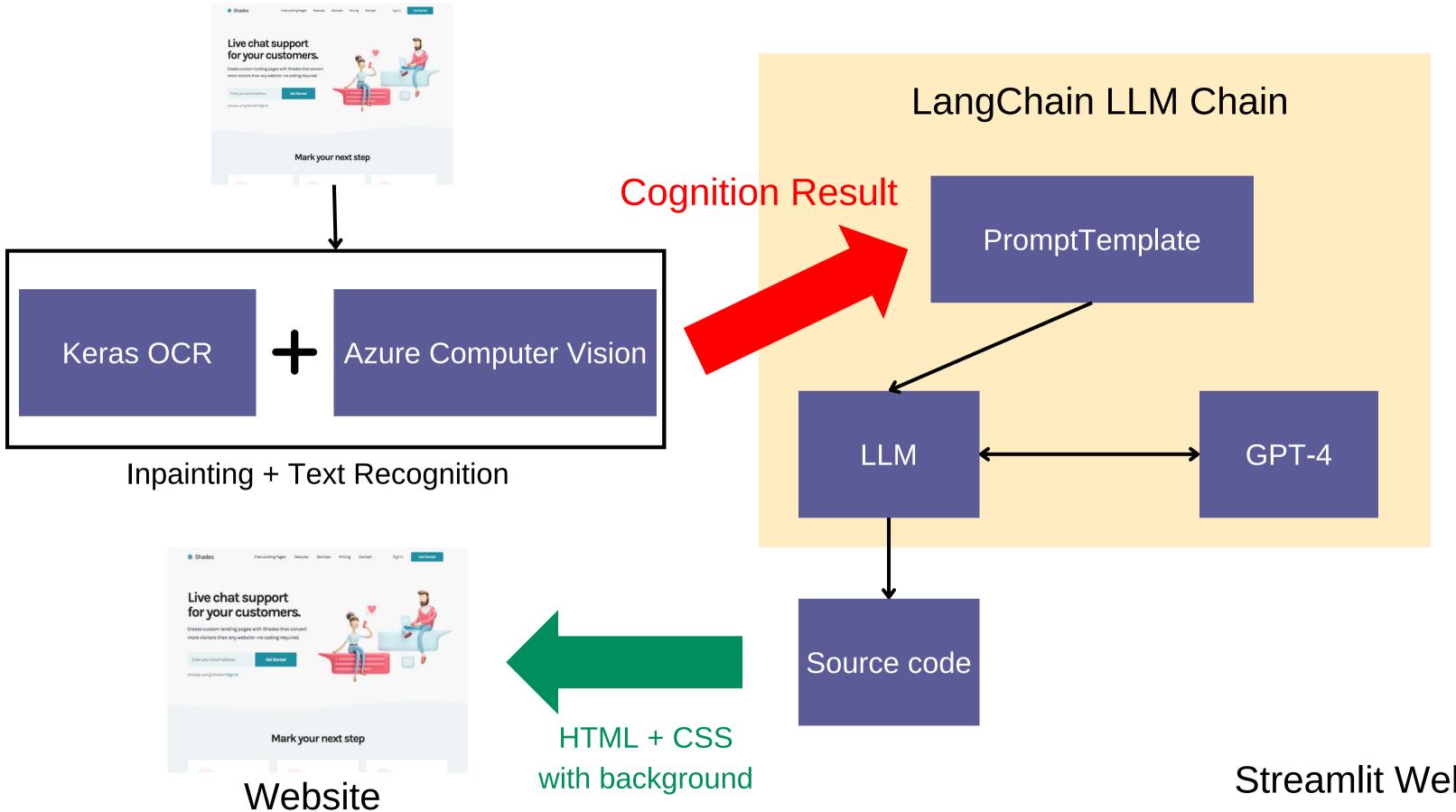
Introduction

Discover GenieFront, the next-gen front-end development tool. Transform captivating web designs from platforms like Figma directly into live sites. Leveraging Azure Computer Vision, Keras-OCR, and the might of GPT-4, GenieFront crafts dynamic web content with precision-molded HTML and CSS.

Technical Insights

- 1. **Framework & Environment**: GenieFront operates on the Streamlit platform, offering an intuitive web interface where users input image URLs. Essential API integrations, including OpenAI and Azure, are initialized via environment variables.
- 2. **Text Extraction with Azure**: Our system harnesses Azure Computer Vision's OCR, ensuring precise extraction of textual elements from design images.
- 3. **Design Isolation using Keras-OCR**: To distinguish text from design, we employ Keras-OCR's inpainting technique. This isolates the pure design aesthetics, leaving the text behind.
- 4. **AI-Powered Code Generation**: With the layout recognized, the mighty GPT-4 comes into play. It interprets the visual cues and crafts the corresponding HTML and CSS, making the design web-ready.
- 5. **Enhanced Customization**: Our tailored code generation function, html_css_gen, can weave in a background image, enhancing the design's vibrancy and context.
- 6. **Real-Time User Experience**: Powered by Streamlit, users can not only input their designs but also preview the real-time transformed website, ensuring alignment with their vision.

UI Design / Drawing



Streamlit Web App

From Vision to Reality

GenieFront turns any web page vision into reality, whether it's a refined digital design, a photograph, or even a hand-drawn sketch. Witness the rise of generative AI and its endless applications. With no competent competitors, GenieFront stands out, destined to grow exponentially in the business realm.

Future of Web Development

GenieFront is set to reshape web development, targeting a slice of the \$40 billion global market with an 8% CAGR. Catering from freelancers to large enterprises, our scalable strategy incorporates cloud computing, modular design, and global expansion. With API access on the horizon, GenieFront's growth potential is unmatched. Experience the seamless fusion of design and development.

Subscription Plans for Every Need

At GenieFront, we believe in versatility. Our subscription model is designed to cater to everyone, from individual freelancers to large-scale enterprises. Starting at just \$19/month for freelancers, we scale up to provide customized solutions for large enterprises, with packages commencing from \$199/month. Whatever your needs, GenieFront has a plan tailored for you.

GenieFront represents the future of web development, merging design visions with seamless, automated code generation. Our platform, backed by advanced technologies and a diverse subscription model, promises to revolutionize the way designers and businesses approach web development. Step into the future with GenieFront, where every design finds its perfect digital canvas.