

Image Crawler & Search Application

A fast and minimal image search engine designed for efficiency.



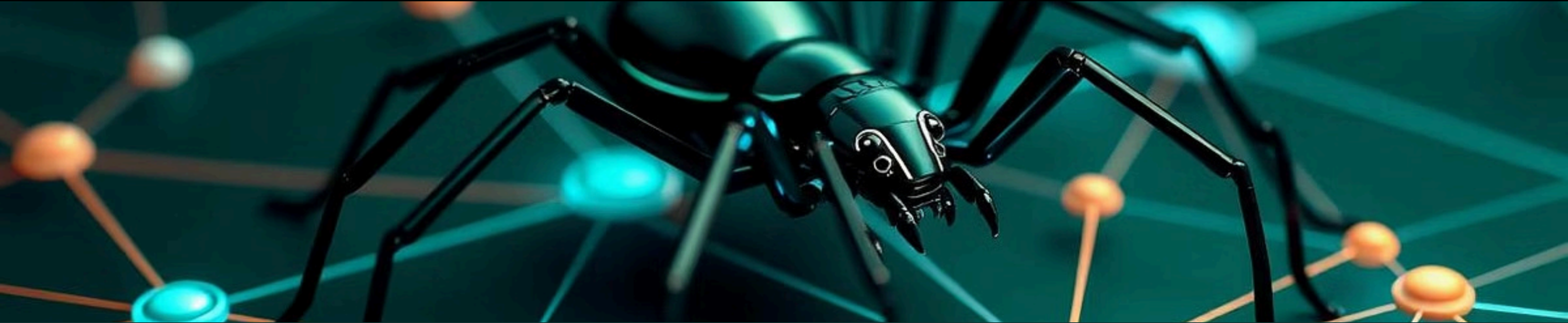
! The Problem with Image Search

Slow & Restricted Access

Finding images from public sources is often slow or heavily restricted.

API & Paywall Barriers

Many existing tools demand APIs or are blocked by costly paywalls.



Our Innovative Approach

Efficient Web Crawler

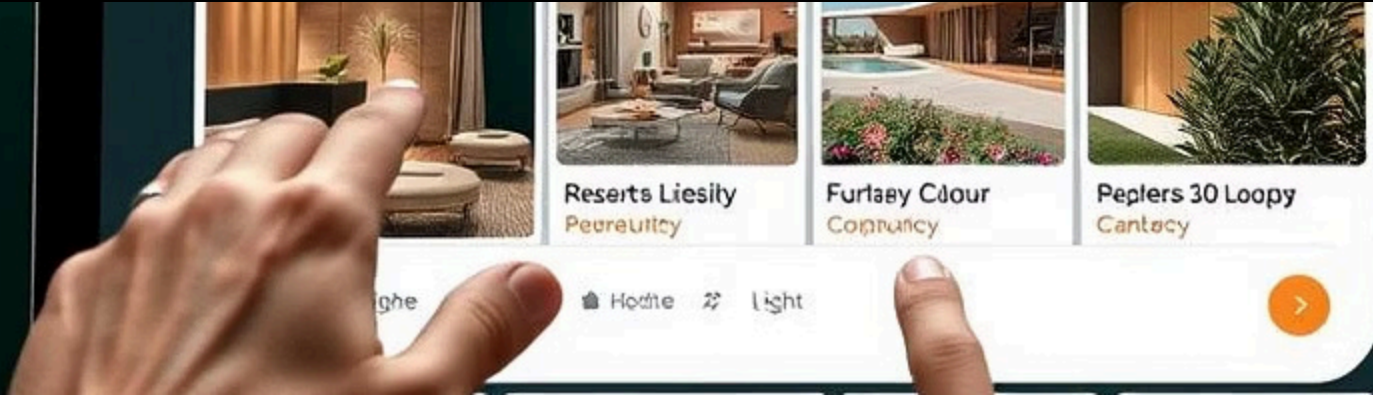
We built a custom crawler to fetch images from diverse public websites.

Flask Backend, Responsive Frontend

Our solution features a Flask backend and a fast, user-friendly interface.

Modern UI Features

Supports seamless dark mode transitions and efficient lazy loading for images.



✨ Core Functionality



Real-time Image Search

Find images instantly from a vast public collection.



Light/Dark Mode

Seamlessly switch between preferred visual themes.



Responsive Gallery

Enjoy a dynamic layout that adapts to any screen size.



Technologies Under the Hood

Backend & Logic

Powered by Python with Flask for robust server-side operations.

Frontend Presentation

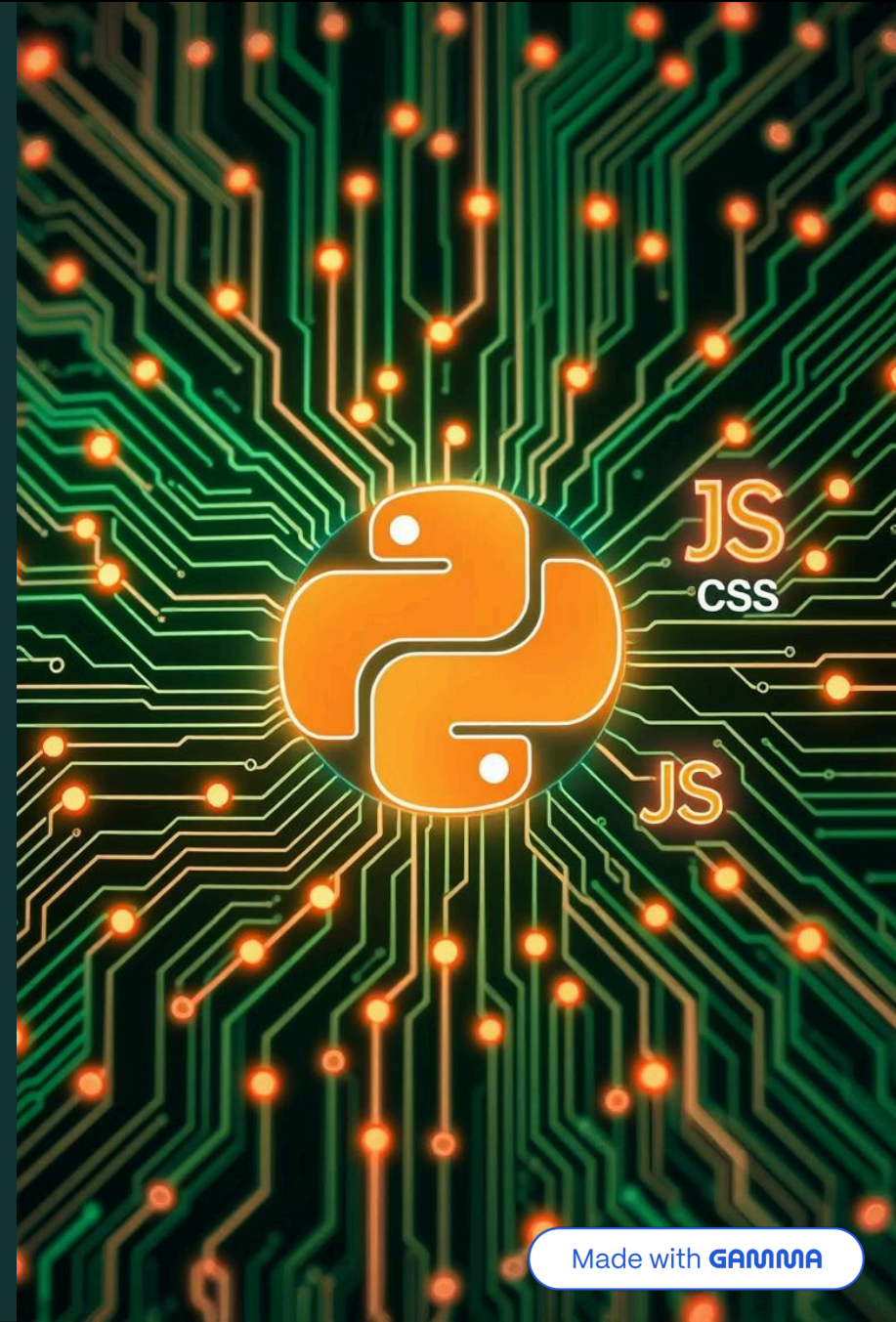
Crafted with HTML, CSS, and JavaScript for an interactive user experience.

Data Acquisition

Custom web scraping techniques retrieve images efficiently.

Dynamic Rendering

Jinja2 templating and responsive CSS Grid ensure optimal display.





! Development Hurdles

1

Invalid Image URLs

Encountered numerous broken or invalid image links.

2

Frontend Interaction Bugs

Swipe navigation and modal functionality caused JavaScript errors.

3

Pagination & Lazy Load

Required further refinement for a smooth user experience.



Future Enhancements

Image Modal & Swipe

Implementing a dedicated image modal with intuitive swipe navigation.

Save/Download Options

Providing users with convenient ways to save or download images.

Multiple Image Sources

Expanding capabilities to include sources like Bing and Unsplash.

Enhanced UI/UX

Polishing the user interface with smooth animations for a better experience.



🙌 Thank You!

Contact Us

For inquiries:
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Explore Our Code

Visit our GitHub repository:
[AbdulRafay285/Image-Crawler](#)