



Perfecting digital/experiences

Optimizely Opal Hackathon 11/2025

Website Marketing in the AI Era

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Website Marketing in the AI ERA

Problem Statement

AI-powered search and discovery tools now provide instant answers without the need for users to visit websites. These instant answers often include summaries that may contain inaccurate descriptions from unverified sources. This presents a significant challenge for businesses, as they are losing visibility and control over how their brand is portrayed. This loss of control can negatively impact credibility and revenue at a critical moment when customers are making their decisions.





What Does
ChatGPT say
about your
brand?

Executive Summary: AI-Powered Brand Control Solution

The Challenge

AI search tools don't just reiterate your brand story, it interprets it, summarizes it, and fills in the gaps with potentially inaccurate information. This threatens brand credibility and revenue at critical decision-making moments.

The Solution

Optimizely Opal AI and Nishtech's LLMS.txt generator which automatically generates LLMS.txt files, the emerging standard for controlling AI-generated brand representations. Simply provide a URL, and custom Opal Agents research your site, analyze competitors, and create accurate, strategic content delivered to your CMS in minutes.

Strategic Impact

Automatically update at critical moments to differentiate against the competition and capture customers who are actively researching purchases.

Efficiency

Averaging just 270 Opal credits per deployment, this solution delivers enterprise-grade brand control while freeing marketing teams from technical content maintenance to focus on strategic initiatives.



ACME Use Case

Use Case



Mark The Marketer at Acme Corp

Mark, the marketer, spends countless hours creating informative, high-quality content highlighting Acme's long history and expertise. However, when users search for Acme Corp, AI-generated summaries frequently surface irrelevant hallucinations—like stories about a hapless coyote and exploding dynamite—misrepresenting the company and driving potential customers away.

Mark knows that he could fix this issue with a well-structured and thorough LLMS.txt file at the root of his website, but he doesn't know how to write one and has limited bandwidth between organizing trainings, rebranding the site, and planning the upcoming annual executive summit. If only he could press a magic button to generate and publish this file...

As it turns out... There is!

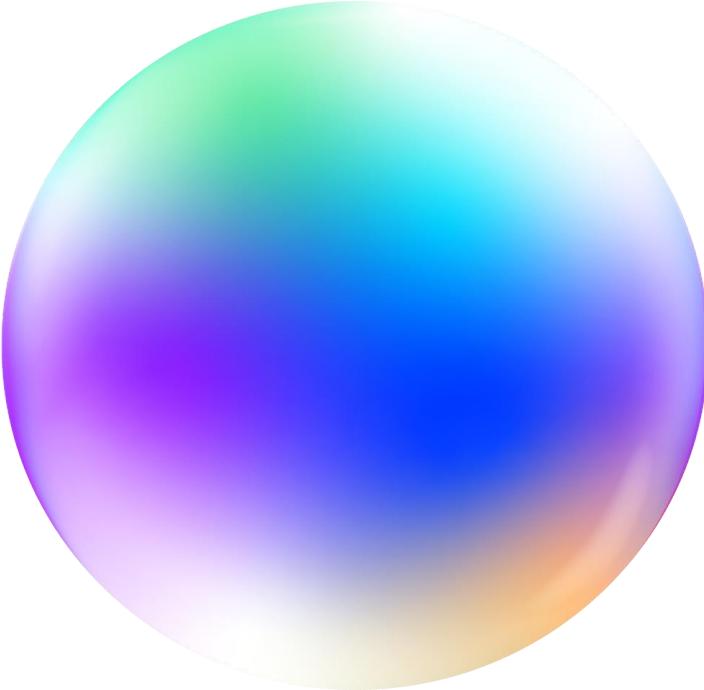
With Optimizely Opal AI!





Nishtech Strategic LLMS.txt
Generator

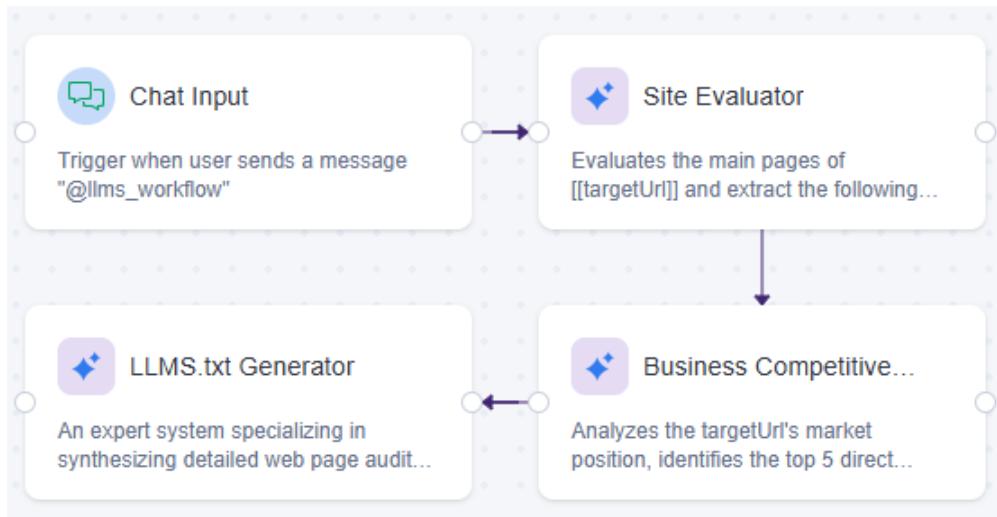
Nishtech Strategic LLMS.txt Generator



LLMS.txt Generator Overview

By leveraging **Optimizely Opal AI** and **custom Opal Agents**, Nishtech has successfully created a solution that, when provided a site's URL, can research that site, analyze the company's competitors, and automatically generate and publish **LLMS.txt content** that is organized, up-to-date, and accurate—dramatically reducing the time and effort required for content creation while ensuring strategic alignment and consistency across the brand's digital presence.

Nishtech Strategic LLMS.txt Generator

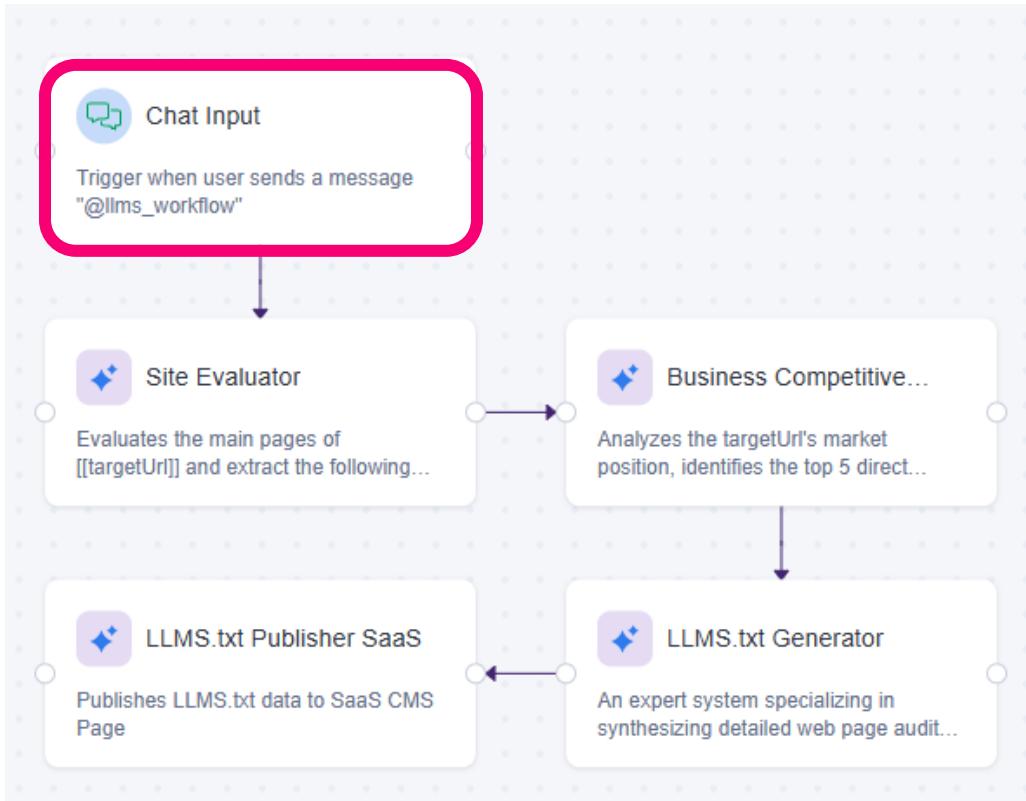


How does it work?

By using 5 Opal Agents

- Orchestrated workflow agent
- Website analysis specialized agent
- Competitive analysis specialized agent
- LLMS.txt generator specialized agent
- SaaS CMS publishing specialized agent

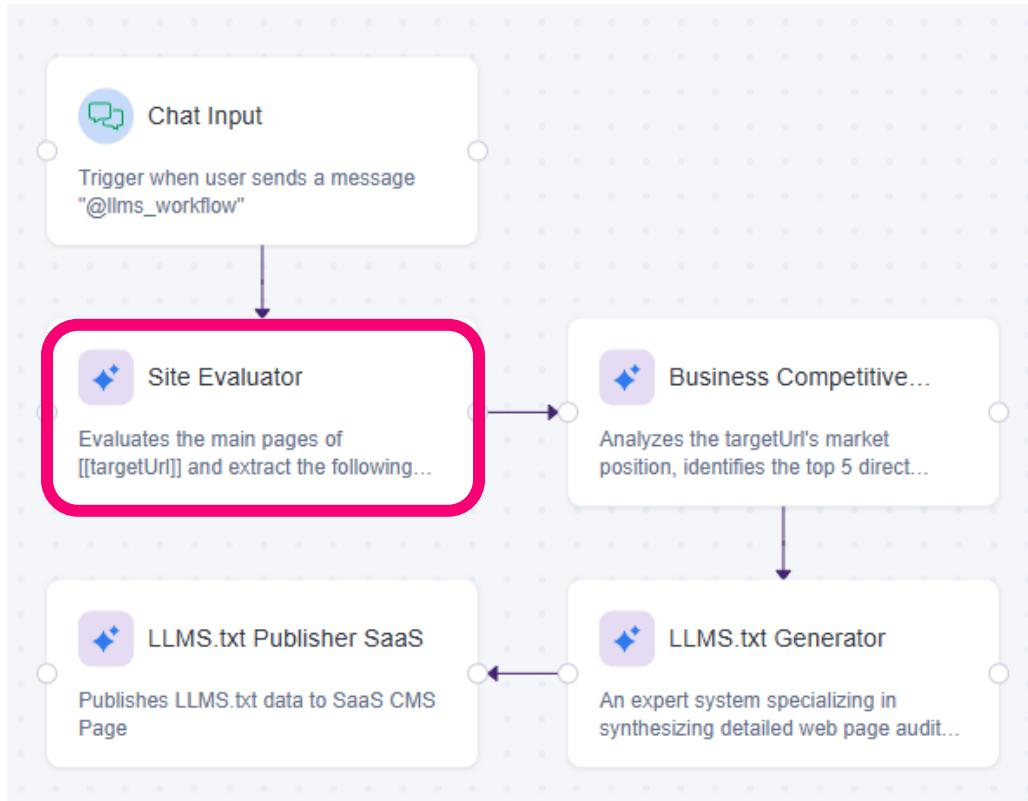
Nishtech Strategic LLMS.txt Generator



LLMS.txt Workflow Agent

- LLMS.txt Generator entry point
- Workflow agent / specialized agent orchestrator
- Can be setup to be triggered by Opal chat prompt or scheduled to run in the background
- Future Opal development may alleviate the need to provide a target URL, relying on execution context

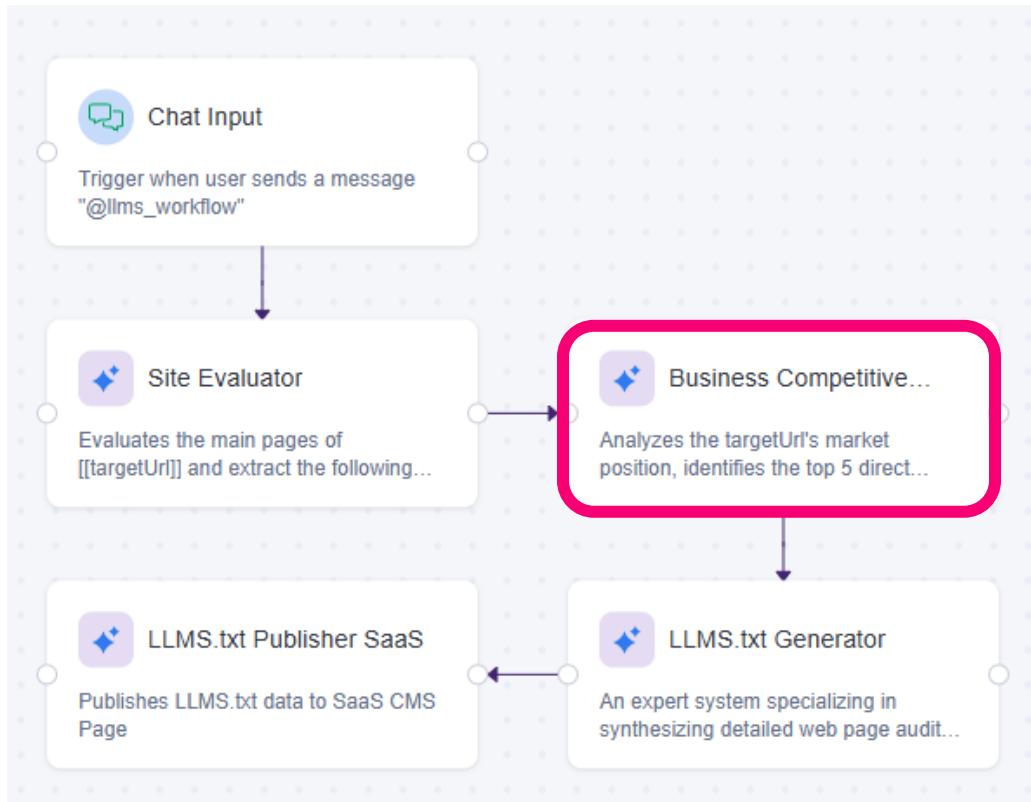
Nishtech Strategic LLMS.txt Generator



Site Evaluator Agent

- Evaluates the target URL's website
 - Who they are / what they do
 - Key pages
- Passes target company data to the next agent
- Tools used: `browse_web`

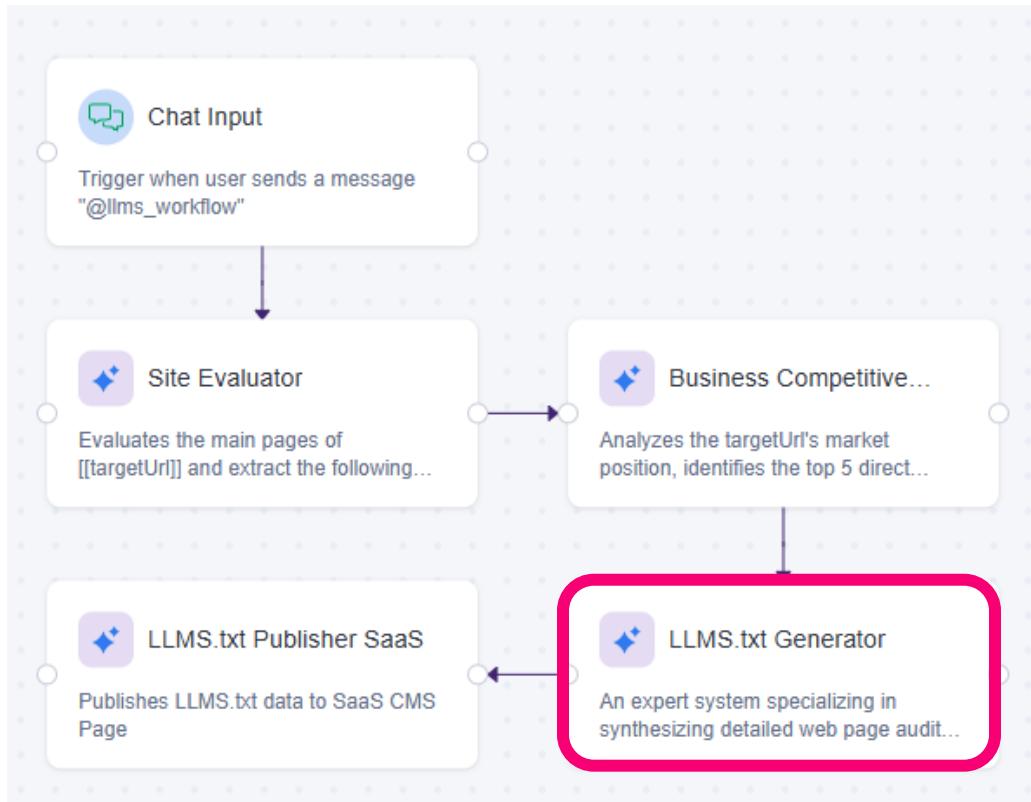
Nishtech Strategic LLMS.txt Generator



Business Competitive Analysis Agent

- Performs market research on recent news relevant to target company and their competitors
- Determines target company's strengths and weaknesses in relation to competitors
- Relays this data to the next agent
- Tools used: `browse_web`, `get_today`, `search_web`

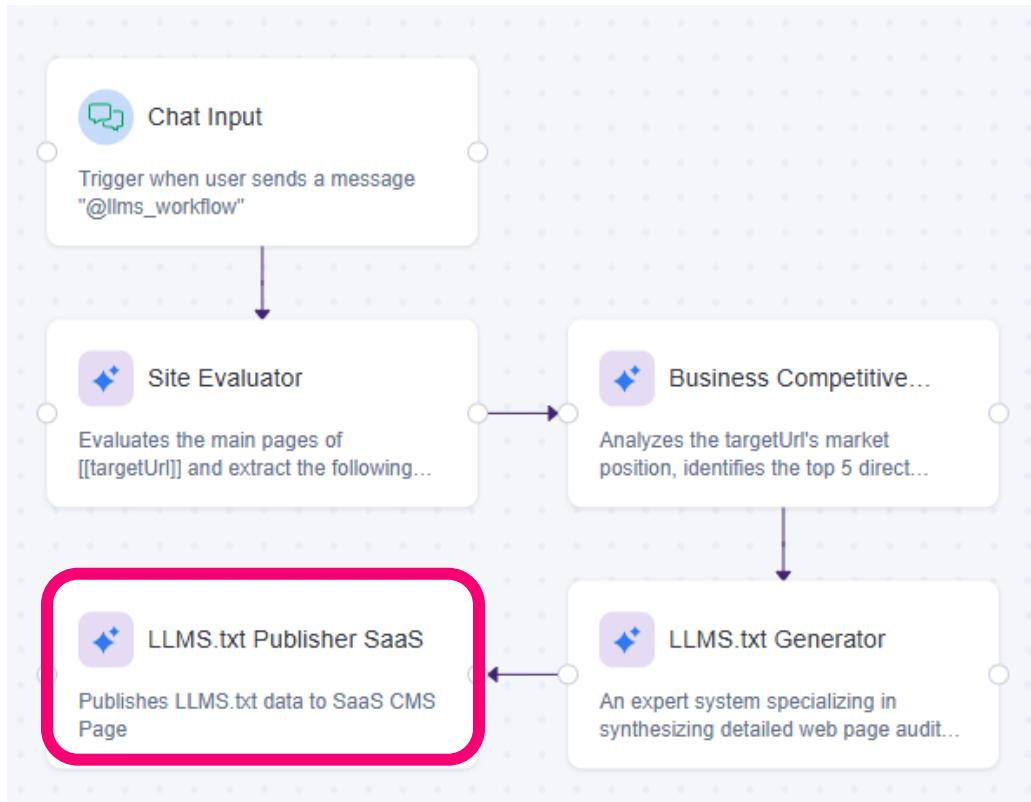
Nishtech Strategic LLMS.txt Generator



LLMS.txt Generator Agent

- Synthesizes LLMS.txt content with the output from previous agents
 - Summary
 - Core Pages
 - FAQ
 - Competitive Positioning
- Relays LLMS.txt content to next agent
- Tools used: none

Nishtech Strategic LLMS.txt Generator



LLMS.txt Publisher SaaS

- Synthesizes LLMS.txt content with the output from previous agents
 - Summary
 - Core Pages
 - FAQ
 - Competitive Positioning
- Relays LLMS.txt content to next agent
- Tools used: rest_request (NT custom)

Nishtech Strategic LLMS.txt Generator



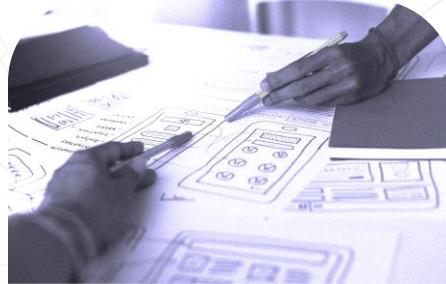
Stretch Goals

- Further Develop LLMS.txt Publisher Agent(s)
 - Dynamic llms.txt page targeting
 - SaaS CMS Publishing
 - despite valid auth tokens, the same request that succeed in postman often 403 in Opal
 - PaaS CMS publishing
 - Due to a lack of LLMS.txt page support, this was not pursued at this time
- Options to stage or publish updates
- User notifications



Use Cases

When Your Brand Voice In AI Matters



Growth and Maturity

Defend your market position by regularly updating AI-accessible content ensures you maintain competitive differentiation as new players enter the market.

Product Milestones

Product launches, feature releases, and major updates represent critical moments to refresh your AI-optimized content.

Industry Events

Major industry events like conferences and trade shows drive concentrated search activity around your brand and products.

Automated Responses

Move at speed with automated responses to your competitors moves.



Credit Usage



270 credits

A vibrant, abstract background composed of numerous hands reaching out from different directions, each interacting with various design-related objects. These objects include color swatches, architectural blueprints, photographs, and various electronic devices like smartphones and tablets. The colors are predominantly warm tones of red, orange, and yellow, creating a dynamic and creative atmosphere.

Thank you!