Build Your Own Keyword Density Checker with Python & AI

Create an AI-powered tool to analyze keyword usage on any website.

Based on Build Your Own Keyword Density Checker With Python Ai No Coding Experience Required by Casey Builds It

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Understand the Tool

- Learn how to scan competitor websites for keyword frequency.
- Discover how to identify content gaps and optimization opportunities.
- See how to automate tedious SEO research tasks.

AI-Assisted Build Process

- Use Cursor AI to generate Python code from prompts.
- Build a website crawler for keyword counting.
- Export results to a CSV file for analysis.

Key Features

- Count keyword occurrences page by page.
- Export data with dynamic file naming (domain + timestamp).
- Implement options like max pages and whole-word matching.
- Package the script into a standalone .exe file.

Who Should Use This

- SEO professionals.
- Content marketers.
- Anyone automating research tasks.

Core Concepts Covered

- AI-powered coding with plain-English prompts.
- Web scraping for content analysis.
- Building a simple GUI for user interaction.
- Packaging Python scripts into executables.

Resources & Further Reading

Related guides for this action sheet:

Build Your Own Keyword Density Checker (Checklist)

https://storage.googleapis.com/casey-builds-it-checklists-20260728-24e1c3/casey-builds-it/Checklist/build-your-own-keyword-density-checker-checklist.pdf

Build Your Own Keyword Density Checker with Python & AI (Infographic)

https://storage.googleapis.com/casey-builds-it-checklists-20260722-eb4ee4/casey-builds-it/Infographic/build-your-own-keyword-density-checker-with-python-ai-no-coding-experience-requi-infographic.pdf

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Automate SEO research with AI-assisted Python development.