Build Your Own Keyword Density Checker with Python & AI

Create a Python tool to scan websites for keyword frequency using AI, no coding required.

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

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Tool Functionality

- Scans any website for specific keyword occurrences.
- Counts keyword frequency on a page-by-page basis.
- Exports results to a CSV file for analysis.
- Identifies keyword usage across an entire competitor site.

SEO & Research Benefits

- Quickly check competitor keyword strategies.
- Identify content gaps and under-optimized pages.
- Automates tedious manual research tasks.
- Compares keyword density between sites.

AI-Assisted Build Process

- Uses Cursor AI to generate Python code from prompts.
- Builds a website scanner and keyword counter.
- Exports data to a CSV file.
- Packages the script into a standalone .exe file.

Key Build Steps

- Generate core Python logic with AI.
- Develop a website crawler.
- Implement keyword counting per page.
- Add options like max pages and whole-word matching.

Practical Features

- Standalone .exe for easy execution.
- No Python installation needed for users.
- Dynamic file naming with domain and timestamp.
- Simple GUI for non-technical users.

Target Audience

- SEO professionals.
- Content marketers.
- Anyone automating repetitive research.
- Users with no prior coding experience.

Resources & Further Reading

Related guides to pair with this cheat sheet:

■ Build Your Own Keyword Density Checker (Checklist)

https://storage.googleapis.com/casey-builds-it-checklists-20260802-95ba76/casey-builds-it/Checklist/build-your-own-keyword-density-checker-checklist.pdf

■ Build Your Own Keyword Density Checker with Python & AI (Action Sheet)

https://storage.googleapis.com/casey-builds-it-checklists-20260802-95ba76/casey-builds-it/Action%20Sheet/build-your-own-keyword-density-checker-with-python-ai-no-coding-experience-requi-action-sheet.pdf

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Leverage AI to build powerful SEO tools without writing code.