

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

Understand the Tool

- Learn how to scan competitor websites for keyword frequency.
- Discover how the tool exports results to a CSV file.
- See how it helps identify content gaps and optimization opportunities.

AI-Assisted Build Process

- Use Cursor AI to generate Python code from plain English prompts.
- Build a website crawler to count keyword occurrences per page.
- Export findings to a CSV file with keywords and URLs.

Enhance Functionality

- Implement options for max pages to scan.
- Add whole-word matching functionality.
- Dynamically name exported files with domain and timestamp.

Package and Deploy

- Package the Python script into a standalone .exe file.
- Enable running the tool without a Python installation.

Who Benefits

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

Key Learnings

- AI-powered coding with Cursor.
- Web scraping for SEO analysis.
- Building simple GUIs.
- Packaging Python scripts.

Resources & Further Reading

Related guides for this action sheet:

■ Build Your Own Keyword Density Checker (Checklist)

<https://storage.googleapis.com/casey-builds-it-checklists-20260731-e718c1/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.