

Build Your Own Keyword Density Checker with Python & AI

Create an AI-powered tool to analyze keyword density on any website without coding.

Based on [Build Your Own Keyword Density Checker With Python Ai No Coding Experience Required](#)
by Casey Builds It

Phase 1: Understanding the Goal

- Grasp the purpose of a keyword density checker for SEO.
- Understand how the tool automates competitor analysis.
- Identify the target audience for this build.



Phase 2: AI-Assisted Code Generation

- Utilize Cursor AI to generate core Python logic.
- Translate plain-English prompts into functional code.
- Leverage AI for a no-coding-experience approach.



Phase 3: Website Crawling and Counting

- Develop a scanner to crawl target websites.
- Implement logic to count keyword occurrences per page.
- Integrate web scraping fundamentals for content analysis.



Phase 4: Data Export and Organization

- Export scan results to a CSV file.
- List keywords and their corresponding URLs in the export.
- Implement dynamic file naming using domain and timestamp.



Phase 5: Adding Practical Features

- Incorporate options like maximum pages to scan.
- Add functionality for whole-word matching.
- Consider building a simple GUI for user interaction.



Phase 6: Packaging and Distribution

- Package the Python script into a standalone .exe file.

- Ensure the tool runs without requiring a Python installation.
- Prepare the tool for easy use by non-technical users.



Phase 7: Application and Next Steps

- Apply the tool for practical SEO and competitor research.
- Compare competitor keyword strategies to your own.
- Explore opportunities for further AI-assisted builds.

Resources & Further Reading

Related guides for this timeline:

■ 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 (Action Sheet)

<https://storage.googleapis.com/casey-builds-it-checklists-20260728-24e1c3/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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Automate SEO research and build powerful tools with AI-assisted coding.