

Build Your Own Keyword Density Checker with Python & AI

Create a Python tool using AI to scan websites and count keyword occurrences without coding experience.

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

Step 1: Generate Core Python Logic with AI

Use an AI coding assistant like Cursor to generate the fundamental Python code for the tool based on plain-English prompts.

- Focus on describing the desired functionality clearly.
- The AI translates your prompts into working code.



Step 2: Develop the Website Scanner

Build the part of the tool that crawls a given website, page by page, to find and count keyword occurrences.

- This involves web scraping techniques.
- The scanner should track keyword counts for each URL.



Step 3: Export Results to CSV

Configure the tool to export the collected keyword counts and corresponding URLs into a clean CSV file.

- This makes the data easy to analyze.
- The CSV should clearly list keywords and their pages.



Step 4: Add Practical Options

Incorporate user-friendly options such as setting a maximum number of pages to scan and enabling whole-word matching.

- These options enhance the tool's flexibility.
- Whole-word matching ensures accuracy.



Step 5: Package as a Standalone Executable

Package the Python script into a standalone .exe file, allowing it to run on computers without a Python installation.

- This makes the tool accessible to non-technical users.
- Tools like PyInstaller can be used for this.



Step 6: Implement Dynamic File Naming

Set up the tool to name exported files dynamically, using the website's domain and a timestamp for better organization.

- This prevents file overwrites and aids in tracking.
- Example: 'domain_com_20231027_103000.csv'

Resources & Further Reading

Related guides for this process:

■ 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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