

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: Understand the Tool's Purpose

Learn how the keyword density checker works: it scans a website, counts keyword occurrences on each page, and exports the data to a CSV file for SEO research.

- This tool automates tedious manual research.
- It helps identify content gaps and optimization opportunities.



Step 2: Utilize AI for Code Generation

Use an AI coding assistant like Cursor to generate the core Python logic by providing plain-English prompts instead of writing code manually.

- AI can translate your ideas into functional code.
- This bypasses the need for prior coding experience.



Step 3: Develop the Website Scanner

Build the functionality for the tool to crawl a given website and accurately count the occurrences of a specified keyword on each page it visits.

- Focus on web scraping fundamentals.
- Ensure accurate keyword counting per page.



Step 4: Implement CSV Export

Configure the tool to export the gathered keyword counts and corresponding URLs into a clean CSV file for easy analysis.

- Name exported files dynamically using the site's domain and a timestamp.



Step 5: Add Practical Features

Incorporate useful options such as setting a maximum number of pages to scan and enabling whole-word matching for more precise results.

- These options enhance the tool's flexibility and accuracy.



Step 6: Package as a Standalone Executable

Package the Python script into a standalone .exe file, allowing users to run the tool without needing to install Python.

- This makes the tool accessible to non-technical users.
- Consider building a simple GUI for user interaction.

Resources & Further Reading

Related guides for this process:

■ 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 (Action Sheet)

<https://storage.googleapis.com/casey-builds-it-checklists-20260731-e718c1/casey-builds-it/Action%20Sheet/build-your-own-keyword-density-checker-with-python-ai-no-coding-experience-requi-action-sheet.pdf>

■ Casey Builds It

<https://caseybuildsit.com/>

■ Casey Builds It

<https://caseybuildsit.com/the-files/>

■ Downloads

<https://caseybuildsit.com/downloads/>

■ Casey Builds It

<https://caseybuildsit.com/make-contact/>

Casey Builds It | -
- | caseybuildsit.com

Leverage AI to build powerful SEO tools without writing a single line of code.