

Build Your Own Keyword Density Checker with Python & AI

Create a Python tool to scan websites, count keyword occurrences, and export results to CSV, using AI assistance without prior coding experience.

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

Step 1: Utilize AI for Code Generation

Use an AI coding assistant like Cursor to generate the core Python logic for the keyword density checker based on plain-English prompts.

- Start with simple prompts describing the desired functionality.



Step 2: Develop the Website Scanner

Build a script that crawls a given website, page by page, to identify and count the occurrences of a specified keyword.

- Consider implementing features like setting a maximum number of pages to scan.



Step 3: Implement Keyword Counting Logic

Ensure the script accurately counts keyword occurrences on each page, potentially including options for whole-word matching.



Step 4: Export Results to CSV

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

- Dynamically name exported files using the site's domain and a timestamp for better organization.



Step 5: Package as a Standalone Executable

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

- This makes the tool accessible to non-technical users.



Step 6: Add User Interface (Optional)

Consider building a simple Graphical User Interface (GUI) to make the tool even easier for non-technical users to operate.

Resources & Further Reading

Related guides for this process:

■ Build Your Own Keyword Density Checker (Checklist)

<https://storage.googleapis.com/casey-builds-it-checklists-20260725-a3cd59/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-20260725-a3cd59/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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