

Build Your Own Keyword Density Checker with Python & AI

Create a Python tool to scan websites for keyword density using AI, no coding experience needed.

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 tool scans any website to count keyword occurrences on each page and exports results to a CSV file for SEO research.

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



Step 2: Generate Python Logic with AI

Use an AI coding assistant like Cursor to generate the core Python logic from simple, plain-English prompts.

- No prior coding experience is required.
- Focus on describing what you want the tool to do.



Step 3: Build the Website Scanner

Develop the functionality to crawl a target website and count the occurrences of a specified keyword on each page.

- This involves web scraping fundamentals.
- The tool will analyze keyword and content.



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.

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



Step 5: Add Practical Options

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



Step 6: Package as a Standalone Executable

Package the Python script into a standalone .exe file so it can be run without requiring a Python installation.

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



Step 7: Implement a Simple GUI (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-20260730-06c7a0/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-20260730-06c7a0/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 gain insights into competitor keyword strategies with AI-assisted coding.