

Build Your Own Keyword Density Checker with Python & AI

Create a Python tool to analyze keyword density on any website using AI assistance.

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

Phase 1: Understanding the Tool and its Purpose

- Learn what a keyword density checker does.
- Understand why this tool is important for SEO research.
- Identify who will benefit from this tool.



Phase 2: AI-Assisted Code Generation

- Use Cursor AI to generate the core Python logic.
- Provide plain-English prompts to the AI.



Phase 3: Developing the Website Scanner

- Build a script to crawl websites.
- Implement functionality to count keyword occurrences per page.



Phase 4: Data Export and Options

- Export scan results to a CSV file.
- Include options like maximum pages to scan.
- Implement whole-word matching functionality.



Phase 5: Packaging and User Interface

- Package the Python script into a standalone .exe file.
- Build a simple GUI for non-technical users.
- Enable the tool to run without a Python installation.



Phase 6: File Organization and Naming

- Dynamically name exported files using the site's domain.
- Include a timestamp in the exported file names.



Phase 7: Review and Application

- Understand practical applications for SEO and competitor research.
- Compare competitor keyword usage to your own.
- Identify content gaps and optimization opportunities.

Resources & Further Reading

Related guides for this timeline:

■ Build Your Own Keyword Density Checker (Checklist)

<https://storage.googleapis.com/casey-builds-it-checklists-20260727-d45d2a/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-20260727-d45d2a/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/the-files/>

■ Casey Builds It

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

■ Casey Builds It

<https://caseybuildsit.com/>

■ Downloads

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

Casey Builds It | -
- | caseybuildsit.com

Automate SEO research and gain competitor insights with AI-powered tools.