

# 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

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## Step 1: Understand the Tool's Purpose

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

- This tool automates tedious manual research for SEO and competitor analysis.



## Step 2: Generate Python Logic with AI

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

- No prior Python knowledge is required to follow along.



## Step 3: Develop the Website Scanner

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



## Step 4: Implement Results Export

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



## Step 5: Add Practical Features

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



## Step 6: Package as a Standalone Executable

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

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



## Step 7: Implement Dynamic File Naming

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

## Resources & Further Reading

*Related guides for this process:*

### ■ Build Your Own Keyword Density Checker (Checklist)

<https://storage.googleapis.com/casey-builds-it-checklists-20260722-eb4ee4/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-20260722-eb4ee4/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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AI-assisted coding makes powerful SEO tools accessible without prior programming experience.