AI-Based SEO Blog Creation Tool

(https://github.com/rahulogoel/SEO-Blog-Post-Creation-Tool/)

Objective

Create an AI based SEO Blog creation application or tool

Technologies Used

- Google Gemini 2.0 Flash API: For generating AI-based blog content
- BeautifulSoup: Web Scraping framework of Python
- Python: For scraping and interacting with APIs
- Google Suggest: For SEO keyword research
- Medium: For publishing the blog

Pipeline Overview

1. Scraping Products

- The first step is to gather product information. In this implementation, I chose eBay to scrape products and retrieve the **product title** and **description** for blog creation.
- Used scraping tool BeautifulSoup.

2. SEO Keyword Research

- I utilized **Google Suggest** for researching SEO keywords relevant to the product. This helped in selecting the main keywords around which the blog content was optimized.
- I used Python to automate the keyword retrieval process.

3. Content Generation

- For content generation, I used the **Google Gemini API** (Gemini 2.0 Flash model).
- The prompt was designed to request a **150–200 word blog post** about the product while naturally incorporating the SEO keywords.
- The generated content was then reviewed, and minor formatting adjustments were made to ensure it was SEO-friendly.

4. Posting the Blog

- As the Official Medium API was deprecated long ago, I manually posted the blog content on Medium.
- The blog post was formatted with headings, SEO keywords, and an engaging introduction and conclusion.

Source Code
(https://github.com/rahulogoel/SEO-Blog-Post-Creation-Tool/)

Resulting Blogs Links

1) Cut the Cord, Not the Quality: Experience True Freedom with Our Wireless Bluetooth Headphones!
(https://medium.com/@onlytempacc0/cut-the-cord-not-the-quality-experience-true-freedom-with-our-wireless-bluetooth-headphones-19d411356318)

2) Unlock Your Potential with Today's Smartphones
(https://medium.com/@onlytempacc0/unlock-your-potential-with-todays-smartphones-db9a92a1498c)

TODOS/Future Improvements

- Automate adding images in blogs for better engagement.
- Research about Medium unoffical API key available to automate the process from generating blogs to directly posting them in Medium.