# 🗬 AI Intern Task: SEO Content Intelligence Tool

Duration: 3–4 Days

Deployment: Required (Vercel / Render / HuggingFace Spaces)

Submission: GitHub link + Live Demo URL

# ⋆ Objective

As part of your application for the AI Engineer Intern role at **RevvGrowth**, we're asking you to build a lightweight, deployable **AI-powered SEO tool**.

This tool should extract **relevant keywords**, **entities**, **and topics** from an article or blog post, and optionally generate **SEO meta title and description** suggestions.

The goal is to evaluate your **NLP skills, deployment comfort, problem-solving**, and how well you can build an AI feature that adds real-world marketing value.

## **©** Task Requirements

#### **✓** Input Options:

- User can either:
  - o Paste raw blog/article text into a textbox
  - o OR input a URL (your app should scrape the text using requests + BeautifulSoup)

#### **Output:**

- Top **keywords** (extracted using NLP techniques)
- Detected topics or categories
- Suggested SEO meta title
- Suggested meta description

#### Tech Stack (Use Open-Source Models Only)

You are free to choose, but we recommend the following:

#### NLP Libraries (Pick one or more):

- spaCy for NER, noun chunks, and basic topic extraction
- KeyBERT for high-quality keyword extraction
- YAKE lightweight, unsupervised keyword extractor

#### Web Framework Options:

- Streamlit easiest to prototype and deploy
- Flask or FastAPI if you're comfortable with APIs and frontend separation

## Deployment Platforms (Pick One):

- Vercel (for Flask/FastAPI projects)
- Render
- Hugging Face Spaces (for Streamlit)

# Example UI (Simple Layout)

Feature	Component
Input	Textbox or URL input
Action Button	"Analyze SEO Content"
Output Section	<ul><li>Keywords</li><li>Topics</li><li>Meta title</li><li>Meta description</li></ul>

### Deliverables

- 1. Deployed app link (live on Vercel, Render, or HF Spaces)
- 2. GitHub repo with:
  - o Clean README with setup instructions
  - Screenshot of your app
  - o Short description of your approach

## **Evaluation Criteria**

Category	Points
✓ Core Functionality	30
✓ Clean & Usable UI	20
✓ Working Deployment	15
✓ Code Structure & Readme	15

Category

✓ Bonus Features (meta title, CSV export, etc.)

20

Total: 100 points

# Bonus Ideas (Optional)

- Export results as CSV or JSON
- Detect keyword density or readability score
- Compare SEO similarity with competitor blog URL
- Support uploading .txt or .docx files

# **Submission**

Please send the following in one email or form submission:

- Ø GitHub repo link
- Ø Live deployed app URL
- (Optional) Short Loom video explaining your tool (2–3 mins)

#### Tips for Success

- Focus on clarity, functionality, and clean design
- Even a basic but working demo is better than an over-complicated broken one
- We care about how you think, build, and deliver not just flashy ML

#### **Questions?**

If you have any questions, feel free to reach out to us before submission. Good luck — we're excited to see what you build!  $\mathscr{A}$