

Task Description for the Candidate

Objective: Create two scripts using AI to enhance a user-provided topic query and retrieve relevant articles and images.

Task Breakdown:

Script 1: Query Enhancement

- Use an AI model (e.g., OpenAI GPT-4) to improve a user-provided topic.
- Output the original and enhanced queries.

Script 2: Article and Image Retrieval

- Use web scraping or an API to get the top 10 articles and images based on the enhanced query.
- Output titles, summaries, and images of the articles.

Integration:

- Combine the results of both scripts into a user-friendly display.

Deliverables:

1. **Script 1:**
 - Code for enhancing the query.
 - Documentation on query enhancement.
2. **Script 2:**
 - Code for retrieving articles and images.
 - Documentation on the retrieval process.
3. **Integration:**
 - Combined script/module.
 - Final output in a readable format.

Tools:

- **Language:** Python, Django
- **AI Model:** OpenAI GPT-4 or similar

Submission:

- Source code and necessary files in a zipped folder.
- README with setup instructions.
- Optional: Demonstration video or screenshots.