

# Project 40: Text Condenser

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## Description:

This tool takes long paragraphs or documents and condenses them into short, clear summaries. Ideal for students, professionals, or anyone who wants to shrink verbose content into key points or TL;DRs.

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## text\_condenser.py

```
import openai
import os
import gradio as gr

# Load OpenAI API key securely
openai.api_key = os.getenv("OPENAI_API_KEY")

# Function to condense long text into shorter summaries
def condense_text(long_input, format_style):
    # Set assistant behavior as a summarizer
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a professional summarizer. Condense the following text into a short, clear summary. "
                "Keep the important meaning intact and use clear language."
            )
        },
        {
            "role": "user",
            "content": long_input
        }
    ]

    try:
        # Send to OpenAI Chat API
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
            messages=messages
```

```

    )

    # Return the condensed summary
    return response['choices'][0]['message']['content'].strip()

except Exception as e:
    return f"Error: {str(e)}"

# Gradio interface setup
iface = gr.Interface(
    fn=condense_text,                                # Condense funct
    inputs=[
        gr.Textbox(lines=10, label="Paste Long Text Here"),  # Input for long
        gr.Radio(["bullet points", "short paragraph", "one-liner"], label="Sum
    ],
    outputs="text",
    title="📄 Text Condenser",
    description="Paste in any long content and get a condensed version. Choose
)

# Launch the tool
iface.launch()

```