

Project 32: Resume Enhancer

Description:

This tool takes plain or basic resume bullet points and rewrites them to be more impactful, professional, and tailored to the job market. Great for job seekers aiming to stand out with strong, action-driven language and quantifiable achievements.

resume_enhancer.py

```
import openai
import os
import gradio as gr

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

# Function to enhance resume content
def enhance_resume(resume_text, job_type):
    # System prompt instructs assistant to act as a resume optimizer
    messages = [
        {
            "role": "system",
            "content": (
                f"You are a professional resume writing assistant. Improve the"
                "Use strong action verbs, quantify results if possible, and ke
            )
        },
        {
            "role": "user",
            "content": resume_text
        }
    ]

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

```

    )

    # Return the improved version
    return response["choices"][0]["message"]["content"].strip()

except Exception as e:
    # Return any error messages
    return f"Error: {str(e)}"

# Gradio interface setup
iface = gr.Interface(
    fn=enhance_resume,                    # Core enhance
    inputs=[
        gr.Textbox(lines=8, label="Paste Your Resume Text"),    # Resume input
        gr.Textbox(label="Target Job Role or Industry")          # Target job
    ],
    outputs="text",                    # Output impr
    title="📁 Resume Enhancer",
    description="Paste your resume bullet points and specify your target job."
)

# Launch the resume enhancer
iface.launch()

```