

Project 80: Job Description Enhancer

Description:

This tool takes your basic job posting and turns it into a polished, inclusive, and engaging description that attracts the right talent. It highlights responsibilities, qualifications, culture fit, and benefits—while keeping tone professional and appealing.

job_description_enhancer.py

```
import openai
import os
import gradio as gr

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

# Function to enhance job description
def enhance_job_description(raw_description, job_title, company_name, tone):
    # Prompt the AI to act as a recruiter/content writer
    messages = [
        {
            "role": "system",
            "content": (
                "You are a professional recruiter and job ad copywriter. Take  

                Include:\n- A short intro about the company\n- Key responsibilities\n- Qualifications\n- Benefits\n- Culture fit\n- Use the specified tone and keep it scannable and engaging."
            )
        },
        {
            "role": "user",
            "content": (
                f"Job Title: {job_title}\n"
                f"Company: {company_name}\n"
                f"Tone: {tone}\n"
                f"Raw Description: {raw_description}"
            )
        }
    ]
```

```

try:
    # Generate the enhanced job description
    response = openai.ChatCompletion.create(
        model="gpt-3.5-turbo",
        messages=messages
    )
    return response["choices"][0]["message"]["content"].strip()

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

# Gradio interface
iface = gr.Interface(
    fn=enhance_job_description,
    inputs=[
        gr.Textbox(label="Job Title"),
        gr.Textbox(label="Company Name"),
        gr.Textbox(label="Paste Raw Job Description"),
        gr.Radio(["Professional", "Friendly", "Inclusive", "Excited"], label=""),
    ],
    outputs="text",
    title="👤 Job Description Enhancer",
    description="Upgrade your job ad into a polished, readable, and attractive"
)

# Launch the enhancer
iface.launch()

```