Project 60: Personalized Learning Plan Creator

Description:

This AI tool builds a customized study plan for any topic or goal—like “Learn Python in 30 days” or “Prepare for TOEFL in 4 weeks.” It breaks the goal into milestones, creates a weekly or daily plan, and offers tips and resources to stay on track.

learning_plan_creator.py

```python
import openai
import os
import gradio as gr

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

# Function to generate a personalized learning plan
def create_learning_plan(goal, duration_weeks, learning_style):
    # Prompt the AI to behave like an educational coach
    messages = [
        {
            "role": "system",
            "content": (
                "You are an expert learning coach. Based on the user's goal, a
                "create a structured weekly learning plan. Include milestones,
                "Be motivating and clear."
            )
        },
        {
            "role": "user",
            "content": (
                f"My goal is: {goal}\n"
                f"I have {duration_weeks} weeks to study.\n"
                f"My learning style is: {learning_style}"
            )
        }
    ]
    try:
        # Get plan from OpenAI
        response = openai.ChatCompletion.create(
            model="gpt-3.5-turbo",
            messages=messages
        )

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

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

# Gradio interface
iface = gr.Interface(
    fn=create_learning_plan,
    inputs=[
        gr.Textbox(label="What do you want to learn? (e.g. Python, Web Dev, GR
        gr.Slider(1, 24, step=1, label="How many weeks do you have?"),
        gr.Radio(["visual", "auditory", "reading/writing", "hands-on"], label=
    ],
    outputs="text",
    title="🎯 Personalized Learning Plan Creator",
    description="Get a custom study plan with goals, milestones, and tips tail
)

# Launch the learning planner
iface.launch()
```