TalentScout Hiring Assistant 🤖

An intelligent Streamlit-based chatbot that assists recruiters in screening candidates by collecting key information and generating technical questions based on their tech stack.

👎Features

- Friendly chatbot interface using Streamlit
- Step-by-step candidate data collection
- Auto-generated technical questions from OpenRouter (free GPT alternative)
- Clean, readable UI with chat history

😰Demo

To launch locally:

```
streamlit run app.py
```

Live hosting: *[Optional if deployed]*

👆 Tech Stack

- Python
- Streamlit (Frontend UI)
- OpenRouter API (LLM backend)
- dotenv (for secure token management)

🖕 Setup Instructions

1. **Clone the repository or unzip the folder**

2. **Install dependencies**

```
pip install -r requirements.txt
```

(Or manually install)

```
pip install streamlit openai python-dotenv
```

1. **Add your OpenRouter API key** Create a `.env` file:

```
OPENROUTER_API_KEY=or-xxxxxxxxxxxxxxxxx
```

1. **Run the chatbot**

```
streamlit run app.py
```

😼Prompt Design

Prompts are dynamically constructed using candidate responses. Example:

Generate 3 technical interview questions for someone skilled in: Python, Django, MySQL

LLMs like `mistralai/mistral-7b-instruct` from OpenRouter are used to return appropriate questions.

😺Sample Output

Candidate Tech Stack: Python, Django, SQL

Generated Questions:

1. How does Django handle database migrations?
2. What are Python decorators and how are they used?
3. Explain different types of SQL joins.

☝️ Challenges & Solutions

- **Hugging Face 404s**: Switched to OpenRouter for better stability.
- **Quota Limits on OpenAI**: Bypassed by using free LLM alternatives.
- **Prompt Formatting**: Used simple structured prompts for accurate question generation.

😣Evaluation Criteria Mapping

Criteria	How It's Addressed
Technical Proficiency	Clean code, full session handling, LLM use

Criteria	How It's Addressed
Prompt Engineering	Dynamic prompt generation based on input
UI & UX	Simple, friendly Streamlit chat interface
Documentation & Presentation	This README + possible video walkthrough
Enhancements	External API + dotenv + token security

🟫 Submission

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🙏 Credits

Built by **Sunkara Jahnavi** for the AI/ML Internship Assignment ✨