

TalentScout Hiring Assistant

1. Project Overview

The **TalentScout Hiring Assistant** is an AI-powered web application designed to assist recruiters in generating **technical interview questions** based on a candidate's tech stack. The application is built using **Streamlit** for the frontend and **Cohere API** for generating AI-driven responses.

2. Features

- **Candidate Information Form:** Users enter details like name, email, phone number, experience, and skills.
- **AI-Powered Question Generation:** The system generates relevant technical questions based on the entered tech stack.
- **Instant Output:** The generated questions are displayed to the recruiter for further use.
- **User-Friendly Interface:** Streamlit ensures a simple and interactive experience.

3. Technologies Used

- **Frontend:** Streamlit (Python)
- **Backend:** Cohere API for AI-generated interview questions
- **Hosting:** Localhost (Can be deployed on cloud platforms)

4. System Requirements

- Python 3.7+
- Streamlit library
- Cohere API key

5. Installation & Setup

Clone the Repository:

```
git clone <repository-url>  
cd TalentScout-Hiring-Assistant
```

1.

Install Dependencies:

```
pip install streamlit cohere
```

2.

3. **Set Cohere API Key:**

- Open the script and replace
"2xTRZVraYBDx8GILR5d8CuTtwvyWnsiHayzM1TH5" with your actual Cohere API key.

Run the Application:

```
streamlit run chat.py
```

4.

6. How It Works

1. The recruiter **fills out the form** with candidate details.
2. The system **sends a request** to the Cohere API with the candidate's tech stack.
3. Cohere API **generates technical interview questions** based on the input.
4. The recruiter **receives and reviews** the generated questions.

7. Future Enhancements

- **Resume Parsing:** Auto-extract skills from resumes.
- **Multi-round Interviews:** Generate questions for multiple interview rounds.

- **Integration with ATS:** Automate hiring pipeline workflows.
- **Candidate Scoring:** Evaluate answers using AI.

8. Conclusion

The **TalentScout Hiring Assistant** enhances the recruitment process by automating question generation, saving recruiters' time, and ensuring relevant technical assessments. With further enhancements, it can become a complete AI-driven hiring solution.

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