Career Quest

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Github:

https://github.com/dawoodTanvir/Career-Quest

Overview

Career Quest is a Fast API based job searcher that takes a json with keys Position, Experience, Salary, Job Nature, Location and Skills as an input and returns all the relevant jobs with their links.

Sites used for collecting job data

- 1. Linkedin
- 2. Indeed
- 3. Glassdoor

Workflow

Based on user's input the relevant job data is scraped from linkedin, indeed and glassdoor. First the links of jobs are collected then the complete details are collected following the links. Following are the screenshots of data extraction:

```
2025-04-22 20:06:57,742 — _main _ _ INFO - Starting job processing...

2025-04-22 20:06:57,742 — LinkedIn - INFO - Starting linkedIn job scarph for Full Stack Developer in Islamabad, Pakistan

2025-04-22 20:06:57,742 — LinkedIn - INFO - Starting linkedIn job scarph for Full Stack Developer

2025-04-22 20:06:57,742 — LinkedIn - INFO - Fetching description for job: Associate Software Engineer - Java Full Stack Developer

2025-04-22 20:06:58,875 — LinkedIn - INFO - Fetching description for job: Business Developer

2025-04-22 20:07:04,977 — LinkedIn - INFO - Fetching description for job: Business Developer

2025-04-22 20:07:04,972 — _main _ _ INFO - LinkedIn search completed. Found 2 jobs.

2025-04-22 20:07:04,997 — _main _ _ INFO - LinkedIn search completed. Found 2 jobs.

2025-04-22 20:07:09.05,902 — Indeed - INFO - Entering Indeed jobs search URL: https://pk.indeed.com/jobs?q=Full+Stack:Developer&l=Islamabad,:Pakistan&sc=0kf%36jt(fulltime)%38

2025-04-22 20:07:09.05,902 — Indeed - INFO - Starting Indeed job search at URL: https://pk.indeed.com/jobs?q=full+Stack:Developer&l=Islamabad,:Pakistan&sc=0kf%36jt(fulltime)%38

2025-04-22 20:07:09.05,902 — Indeed - INFO - Scraping Indeed job: Full Stack Developer at Octaloop Technologies

2025-04-22 20:07:11.06 — Indeed - INFO - Found Indeed job: Full Stack Developer at Webrange Solutions

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Full Stack Developer at Webrange Solutions

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Full Stack Developer at Webronix

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Full Stack Developer at Webronix

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Full Stack Developer at Proto II Consultants

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Senior Full Stack Developer at Proto II Consultants

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Full Stack Developer at Proto II Consultants

2025-04-22 20:07:23,908 — Indeed - INFO - Found Indeed job: Senior Full Stack
```

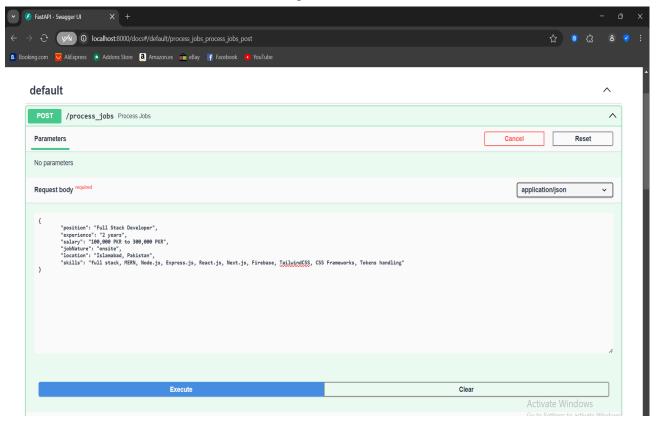
```
2023-04-22 20:08:07,273 - Glassdoor - INFO - Phase 2: Getting detailed information for each Glassdoor job...
2025-04-22 20:08:09,7274 - Glassdoor - INFO - Getting classdoor details for: Susiness developer (bidding) at Machineintelligence6
2025-04-22 20:08:19,472 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Proto IT Consultants
2025-04-22 20:08:31,775 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Proto IT Consultants
2025-04-22 20:08:31,775 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Webtronix
2025-04-22 20:08:53,290 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Webtronix
2025-04-22 20:08:08:53,290 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer (MENN Stack) at Decimal Solution
2025-04-22 20:09:16,660 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Serpistan
2025-04-22 20:09:28,092-60 - Glassdoor - INFO - Getting classdoor details for: Full Stack Developer at Serpistan
2025-04-22 20:09:29,346 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Serpistan
2025-04-22 20:09:39,346 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Serpistan
2025-04-22 20:09:39,346 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Mebrange Solutions
2025-04-22 20:19:09:59,343 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Mebrange Solutions
2025-04-22 20:19:19:37,166 - Glassdoor - INFO - Getting Glassdoor details for: Serious Stack Developer at Commanix
2025-04-22 20:19:19:37,166 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Commanix
2025-04-22 20:19:19:37,166 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Zomdian Technologies
2025-04-22 20:19:19:45,240 - Glassdoor - INFO - Getting Glassdoor details for: Full Stack Developer at Zomdia Technologies
2025-04-22 20:19:19:65,260 - Glassdoor - INFO - Gettin
```

The data is saved in a json file which will be used as a context to LLM.

The LLM used for this purpose is deepseek-r1-distill llama 70b imported using api from Groq. The json data is passed to LLM in a batch of 3 as big batches cause "Request too large for

LLM" error. The LLM filters out relevant jobs according to the input given by the user such as "skills". The final result is sent to Fast API localhost. Following are the screenshots of Fast API request and response:

Request



Response

```
Request URL

http://localheati800/process_jobs

Server:response

Code Details

Response body

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The localhost is http://localhost:8000/docs.

Thank you!