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Assignment: -

1. A developer is assigned a task to scrape 1 lakh website pages from a directory site, while scrapping he is facing such hcaptcha, which are placed to stop people from scrapping As a project Coordinator suggest ways to solve this problem

Ans: As a project coordinator I would suggest the developer to:

1) Use Proxy Servers to bypass captcha thereby minimizing IP Tracing

2) Another way to resolve this issue is to use captcha resolvers (but this solution might require some capital investment)

3) Rotating IP addresses

4) Delay the requests or slow down scrapping so that the website assumes that it's a legitimate human who is trying to scrape data/information

2. Our client has around 10k linkedin people profiles, he wants to know the estimated income range of these profiles. Suggest ways on how to do this?

Ans: the required task can be accomplished using the following ways:

1) Using Chrome Extensions

2) Using tools like LinkedIn Salary, LinkedIn Talent Insights and Know Your Worth

3) Using ML Model to predict (if data not available on websites or can't be accessed using tools), there is one caveat i.e, the predictions won't be 100% accurate or even close to that mark

3. We have a list of 1L company names, need to find linkedin company links of these profiles, how to go about this?

Ans: we can accomplish the task by:

1) Using various tools like LinkedIn Company URL Finder, Derrick App, LinkedIn Company Finder Bot and Apify

2) Use LinkedIn API(this might be time consuming and has a lot of restrictions)

4. How to identify list of companies whose tech stack is built on Python. Give names of 5 companies if possible, by your suggested approach

Ans: we can find the desired list of companies by:

1) Searching on popular blogs and articles such as Guvi, Xperti, Monocubed and STX Next

2) Checking Job Postings on Glassdoor,LinkedIn,Indeed,Angelist by using keywords such as Python Developer, Python Engineer, etc

5. Need to find an API, through which we can send linkedin messages to other linkedin users

Ans:

1) first and foremost we can use the LinkedIn Developer Portal for accessing the LinkedIn Messaging API

2) Using Unipile which provides LinkedIn Messaging API that can be used to send messages to other LinkedIn Users.