SKILL /JOB RECOMMENDER APPLICATION

PROJECT OVERVIEW

There has been a sudden boom in the technical industry and increase in the number of good startups keeping track of various appropriate job openings in top industry names has become increasingly troublesome.This leads to deadlines and hence important opportunities being missed.Through this research paper,the aim is to automatethis process to eliminate this probiem. To achieve this, IBM cloud services like db2, watson assistant,cluster,kubrmetes have been used. Ahybrid system of content-based filtering and collaborative filtering is impleted to recommend these jobs.The intention is to aggregate and recommend appropriate jobs to job seekers,especially in the engineering domain .The entire procecc of accessing numerous company websites hoping to find arelevant job opening listed on their carreer portals is simplified.The proposed recommendation system is tested on an array of test cases with a fully functioning user interface inthe form of a web application.it has shown satisficatiory results,outperforming the existing systems.It thus testifies tothe agends of quality over quatity.

The existing sysyem is not very efficient ,it does not benefit the user in maximam way,so the proposed system uses ibm cioud services like db2,watson virtual assistant,cluster,kubernetes and docker for containerization of the application.

The proposed system is,with an increasing number of cash -rich,stable and promising technical companies/startups on the web which are in much demand right now,many candidates want to apply and work for these companies.They tend to miss out on these posting because there is an ocean of existing systems that list millions of jobs which are generally not relevant at all to the user.There is an abundance of choices and not much streamlining.Ont the basis of the actual skills or interests of an individuals ,job seekers often find themselves unable to find the appropriate employment for themselves.Therefore,this system approaches the idea from a data point of view,emphasizing more on the quality of the data than the quantity.

CATEGORY

cloud app development

SKILL REQUIRED

IBM cloud ,HTML,Javascript,IBM cloud object storage,python-flask,kubernetes,Docker,IBM DB2,IBM container Registery

PROBLEM STATEMENT DEFINITION

"can an efficient recommender system be modeled for the job seekers which recommend jobs with the user's skill set and job domain and also addresses the issue of cold start?".
In the current situation done manually for lakhs of students may lose their opportunities due to different reasons since it is done manually,and company also need the highly talented people from the mass group for their growth.

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CONCLUSION

We have used cloud services like db2,clouyd registery,kubernetes,watson assitant to create this application,which will be very usefulfor candidates who are searching for job and data as well as forthe company to select the right candidate for the their organization.

FUTURE SCOPE

Future direction of our work will focus onperforming a more exhaustive evaluation considering a greater amount of methods and data as well as acomprehensive evaluation of the impact of each professional skill of a job seeker on the received job recommendation.We can use machine learning techniques to recommend data in a efficient way..