Project Design Phase-I Proposed Solution

Date	22 September 2022
Team ID	PNT2022TMID50423
Project Name	SKILL AND JOB RECOMMENDER APPLICATION
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Dealing with the large amount of recruiting information on the Internet, a job seeker always spends hours to find useful ones.
		Many times, people who lack industry knowledge are unclear about what exactly. They need to learn in order to get a suitable job for them. We address the problem of recommending suitable jobs to people who are seeking a new job.
2.	Idea / Solution description	The skills are extracted from the job seeker's resume using the TF-IDF technique. The job seeker's profile may get outdated sometimes as they fail to update the resume regularly.
		• When he applied for the job the dynamic behaviour of the job seeker is noted. So, the dynamic features are extracted, which are an updated version of basic features, by making a statistic at regular intervals.
		The dynamic recommendation engine works as follows: Initially we used collaborative user based filtering algorithm to overcome the cold-start problem.

		jobs aprecome feature seeker extract compute two us procee The syrecome and recome will be jobs in interes Thus, with no Similar system recome recruit candid Based progracourse	commends the top k similar pplied to generate the initial mendation jobs. It takes the es extracted from the job es extracted from the job es profile and the features ted from the job description, ates the similarity between the sing Euclidean distance, and to ed further. It is to material to the job seeker cords his behaviour. Thus, we easily a behaviour to the job seeker is sted and not interested. It is job applicant is provided ew recommendations. The same recommendation in helps provide job applicant mendations to the job ters to find the most eligible lates for their firm. In their job interests training menses and certification is are also recommended to job is to grow their skills.
3.	Novelty / Uniqueness	the job remove getting integrated engine employ	odel detection which verifies o postings, fake job and es the fraudulent ones before g listed on the platform is ated with the recommendation e to bring down the yment scams. will prevent the job seeker from g trapped with fraud one.
4.	Social Impact / Customer Satisfaction	will re enhance boost toAfter of custom measurements.	b & skill recommender system educe the unemployment and ce the skills of job seekers to the country's economy. deployment of the project the ner satisfaction can be red by customer loyalty and ner reviews.

5.	Business Model (Revenue Model)	A subscription model will be provided for both employees and employers with additional costs for features along with recurring monthly or yearly costs.
6.	Scalability of the Solution	In order to provide the best scalability, cloud computing is utilised. The cloud is capable of increasing or decreasing IT resources as needed to meet the changing demand and workload