Project Design Phase-I Proposed Solution

Date	24 September 2022
Team ID	PNT2022TMID34680
Project Name	Skill/Job Recommender Application
Maximum Marks	2 Marks

Proposed Solution:

Project team shall fill the following information in proposed solution template.

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Dealing with the enormous 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. We formulate this recommendation problem as a supervised machine learning problem.

2.	Idea / Solution description	The skills are extracted from the	ioh saakar's
2.	Idea / Solution description	resume using the TF-IDF technic seeker's profile may get outdate as they fail to update the resume	que. The job d sometimes e regularly.
		The dynamic behaviour of the j noted by observing the jobs he So, the dynamic features are extr are an updated version of basic making a statistic at regular inter	applied for. acted, which features, by
		The dynamic recommendation of as follows: A collaborative userball algorithm is used initially to ox cold-start problem. It takes the extracted from the job seeker's the features extracted from description, computes the similar the two using Euclidean distrecommends the top k similar job generate the initial recommendation. The system provides the recommendation to the job records his behaviour. Thus, we to arrive at a set of jobs in which seeker is interested and a set of jobs.	ased filtering vercome the he features a profile and in the job rity between stance, and is applied to tion jobs. The initial seeker and will be able inch the job
		which he is not interested. The new basic features help in update seeker's profile. Thus, the job applicant is provided recommendations. Similarly, recommendation system helps applicant recommendations recruiters to find the management of their firm programmes and certification also recommended to job seeked their job interests to grow their	ed with new the same provide job to the job ost eligible n. Training courses are ers based on
3.	Novelty / Uniqueness	A fake job detection ML moverifies the job postings and moverifies the job posting and moverifies the job postion.	removes the listed on the with the ng down the
		This will prevent the job seeker trapped with fraud one.	trom getting

4.	Social Impact / Customer Satisfaction	☐ The job & skill recommender system will minimize the unemployment and improve the skills of job seekers to boost the country's economy. ☐ The customer satisfaction can be measured by customer loyalty and customer reviews after deployment of the project.
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, clou computing is utilised. The cloud is capable of increasing or decreasing IT resources as needed to meet the changing demand and workload.