LITERATURE SURVEY

->Here, we will take a look at all previous solutions, attempts and implementations to the "SKILL JOB RECOMMENDER" or anything that is vaguely related to it.

PAPER TITLE	METHOD	MERITS	DEMERITS	PAPER LINK
Skill Scanner: Connecting and Supporting Employers, Job Seekers and Educational Institutions with an AI-based Recommendation System	Combines NLP techniques to extract, vectorize, cluster and compare skills in a pipeline and outputs statistics and recommendations for all three players in form of reports	● Help employers, job seekers and educational institutions adapt to the job market's needs	● Requires educational institute data like syllabus, lesson plans, etc ● Returns reports which might be tedious to read	https://bit.ly/3L7 mdrX

Recommendation of Job Offers Using Random Forests and Support Vector Machines	Random Forest and Support Vector Machines	● Automatically recommend job offers ● Efficiently works at web scale, in large databases or with large instances.	● SVMs work with models hard to interpret by humans ● Does not use textual description from job offers	https://www.jorge mar.com/papers/Recommendation-Job-Offers.pdf
A Machine Learning approach for automation of Resume Recommendation	Using Content-based Recommendation, using cosine similarity and by using k-NN to identify the	● Effectively captures the resume insights and their	● Accuracy is only 78%	https://www.sciencedirect.com/science/article/pii/S1877050920307500X

Enhanced DSSM (deep semantic structure modeling) technique for job recommendation	Deep Semantic Structure Algorithm	● Word embeddings are used which don't require expensive annotations.	● Words with multiple meanings are conflated into a single representation	https://www.sciencedirect.com/science/article/pii/S13