LITERATURE REVIEW

PROBLEM STATEMENT- Fake Job Detection using various ML algorithms.

TITLE OF THE PAPER	PROBLEM DEFINITION	OBJECTVE	PROPOSED SYSTEM	PROS	CONS
1. Fake Job Detection Using Machine Learning(Random Forest ensemble classifier model)	Many organizations these days like to list their job openings online so that job seekers may access them quickly and simply. However, this could be a form of scam perpetrated by con artists who offer job seekers work in exchange for money. Many people are duped by this fraud and lose a lot of money as a result.	This paper proposes an automated solution based on machine learning-based classification approaches to prevent fraudulent job postings on the internet.	**The Random forest ensemble classifier model**	The Random forest ensemble classifier was utilized as the classification algorithm, and it was built using a collection of tree structured Classifiers.	Considering the fraud detecting problem, the situation of not detecting the job as fraud (low sensitivity) could be threatening for jobseekers
2.Identifying the fake job recruitment using knn.	Now a days job posting on the internet have grown popular and its is easy to find job for job seekers. But there also some fake job post are available in internet which are all posted by scammers .The scammers provide user with a very lucrative job opportunity and later ask for money in return with the	To detect the fake job recruitment post and identifying the scammers. These fraudulent job post detection draws a good attention for obtaining an automated tool for identifying fake jobs and reporting them to people for avoiding application for such jobs.	An automatic fake detector model to distinguish between true and fake news (including articles, creators, subjects) using text processing. They had used a custom dataset of news or articles posted by PolitiFact website twitter account.	It can able to detect fake job post and report it to the social media. It will aler the job seekers.	Sometimes it may detect the original job post also a fake job post and report it.

	promise of a job. Some people have lost money due to scammers .so we are going to identify				
3.Detection of Fake job recruitment.	There are many job offers in the internet. The offered jobs may be fake or fraudulent. By this many people lost their money by investing in it.	The main objective of this is identifying the fake job recruitment by detecting it. To avoid fraudulent post for job in the internet.	To address the problem of identifying scams on job posting, supervised learning algorithm as classification techniques are considered initially.	A classification tool isolates fake job posts from a larger set of job advertisements and alerts the user.	Sometimes by over usage it may not identify the fake one or alerts the user.
4. Fake Job Recruitment Detection Using Machine Learning Approach.	A fake job posting is a (rarely) smartly designed type of scam aimed at job seekers for a variety of unprofessional reasons. Still, these scams can look legit to an unsuspicious person scrolling through the vast pool of jobs	To avoid fraudulent post for job in the internet, an automated tool using machine learning based classification techniques is proposed in the paper. Different classifiers are used for checking fraudulent post in the web and the results of those classifiers are compared for identifying the best employment scam detection model.	To avoid fraudulent post for job in the internet, an automated tool using machine learning based classification techniques is proposed in the paper.	High Accuracy, Low Time, User Friendly.	Not Safe.

DATASET USED	PREFERRED MATRICES USED	PERFORMANCE
1.Kaggle dataset that contains information on the job, including attributes such as job id, title, location, and department	Accuracy = TP+TN/TP+FP+FN+TN Recall = TP/TP+FN Precision = TP/TP+FP F1 Score = 2*(Recall * Precision) / (Recall + Precision)	ACCURACY : 97.2%
2. Fake Job Description Prediction	ACCURACY %	ACCURACY : 97%

3. The dataset used are in 0 1 format and it's called as lables.	ACCURACY %	ACCURACY : 98.27%
4. Kaggle[13] dataset is used.	ACCURACY %, PRECISION, RECALL, MEAN SQUARED ERROR.	ACCURACY: 98%