

ABSTRACT

To prohibit privacy and loss of money for individuals and organization by creating a reliable model which can detect the fraud exposure in the recruitment environments. The major contribution represented in a reliable detection model using ensemble approach based on Random forest classifier to detect Fake Job Recruitment. The automated tool using machine learning based classification techniques. 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. It helps in detecting fake job posts from an enormous number of posts. The experimental results indicate that ensemble classifiers are the best classification to detect scams over the single classifiers. The dataset employed for training and evaluation purposes comprises a diverse corpus of both legitimate and fraudulent job postings sourced from various online platforms. Performance evaluation metrics, including accuracy, precision, recall, and F1 score, are utilized to assess the effectiveness of the proposed machine learning models in distinguishing between genuine and fake job postings. Experimental results demonstrate the robustness and efficacy of the developed models in accurately identifying fraudulent job postings, with promising performance across different classifiers.