1.Title Of The Paper: Automated Resume Screening System Using Machine Learning by R. Shalini and S. S. Rani.

This paper introduces an automated resume screening system that employs machine learning techniques for evaluating and ranking resumes. It discusses the implementation details and performance evaluation.

Tech Framework:- Natural Language Processing, Count Vectorizer(library)

Published Date: 26 November 2020

<https://www.researchgate.net/publication/347633082_AN_AUTOMATED_RESUME_SCREENING_SYSTEM_USING_NATURAL_LANGUAGE_PROCESSING_AND_SIMILARITY>

2.Title Of The Paper: Resume Classification and Ranking Using Deep Learning Techniques" by M. S. Ahmed, A. M. Abdelhadi, and A. El Saddik.

- This paper explores the application of deep learning techniques for resume classification and ranking. It presents an approach based on convolutional neural networks and evaluates its performance.

Tech Framework: Python,ML,NLTK

Published Date:2015

<https://core.ac.uk/download/pdf/55305289.pdf>

5. Title Of The Paper: Resume Parsing: Challenges, Techniques, and Applications" by K. Goel and M. Kumar.

This paper addresses the challenges associated with resume parsing and presents various techniques and applications. It discusses the state-of-the-art approaches and provides an overview of the field.

Tech Framework: NLP, Machine learning, Support Vector Machine

<https://www.ijraset.com/best-journal/resume-parser-analysis-using-machine-learning-and-natural-language-processing>

# 6.Title Of The Paper: Design and development of machine learning based resume ranking system

# Author : Tejaswini K a, Umadevi V b, Shashank M Kadiwal a, Sanjay Revanna a

# Tech Framework: KNN,NLP,ML

# REMARKS: This recommendation system is able to accept or reject a job applicant based on two factors the company’s requirements must match the skills listed in applicant’s resume and test evaluation will be based on the applicant’s skill, ensuring that the resumes uploaded by applicant are genuine and applicant is truly knowledgeable about the skills.

# <https://www.sciencedirect.com/science/article/pii/S2666285X21001011>

7. Article on Medium Resume Screening with Python by Roberto Salazar

Tech Framework:- NLP, Text Mining, Python

<https://towardsdatascience.com/resume-screening-with-python-1dea360be49b>

8. Resume Analyzer Using Text Processing

B.Kelkar1, R.Shedbale2 , D.Khade3, P.Pol4, A.Damame

<https://jespublication.com/upload/2020-110557.pdf>

Tech Framework: NLP, Text Mining and sentiment analysis

9.**Title of the Paper:** CV Analysis using Machine Learning

**Authors**: Avisha Anand, Mr. Sandeep Dubey

**Publish Date:** 2022-05-06

Link: <https://www.ijraset.com/research-paper/cv-analysis-using-machine-learning>

Tech Framework: NLP, Python, Text mining

Remarks:

The proposed system is under implementation and uses a semi-supervised learning (mainly K-nearest Neighbour) for achieving high accuracy. This system automates the process of requirements specifications and applicants ranking that are relatively highly consistent with those of the human experts. It will enable a more effective way to shortlist submitted candidates CVs from a large number of applicants providing a consistent.

10. Title Of The Paper: Resume Screening Using Machine Learning and NLP:A proposed system

Author: Bhushan Kinge, Shrinivas Mandhare, Pranali Chavan, S. M. Chaware

Publish Date: 25 April 2022

Tech Frameworks: NLP,KNN,SVM,NER

Link: <https://ijsrcseit.com/CSEIT228240>

Remarks: This Paper deals with multiple methods to detect ,identify and classify various resumes using multiple machine learning and Neural Network models like SVM, KNN, Word2Vec, Cosine similarity, etc. The accuracy of the models varies based on the datasets used, the complexity of the learning methods and the size of the dataset, the results range from 78% - to98%. We conclude that with a proper dataset and the right algorithm we can get good accuracy and desired output for a large variety of purpose.