

# AI Resume Analyzer using Natural Language Processing

<sup>1</sup>Ms. Sophiya Sugantha Grace M, <sup>2</sup>Mr. Darani R, <sup>3</sup>Mr. Deepan A, <sup>4</sup>Mr. Gowthaman M

<sup>1</sup>Assistant Professor, Department of Computer Science and Engineering

<sup>2 3 4</sup>Students, Department of Computer Science and Engineering

SRM Valliammai Engineering College, Chennai, Tamil Nadu, India

**Abstract:** *The Intelligent Resume Analyzer is an AI-powered system that analyses candidate resumes and makes recommendations to enhance them. The system takes a candidate's resume as input and processes it using machine learning algorithms to discover areas for improvement. The system's main goal is to assist job searchers in creating resumes that can pass the screening process of job interviews. To extract useful insights from the candidate's resume, the system employs a variety of approaches such as natural language processing, text mining, and sentiment analysis. It examines the candidate's experience, skills, education, and achievements to provide feedback on how to improve the resume. The algorithm also evaluates the resume's layout, language, and spelling to verify it follows industry standards. Both job searchers and recruiters can benefit from the Intelligent Resume Analyzer. Recruiters can use the system to swiftly find the top candidates for a certain job, while job seekers can use it to build resumes that are more likely to pass the screening process of job interviews. Job seekers can improve their chances of getting hired for the positions they want by utilizing the Intelligent Resume Analyzer.*

**Keywords:** Analysis, AI, ML, Resume, Parsing

## REFERENCES

- [1] Nlp Based Extraction Of Relevant Resume Using Machine Learning. Author: Nirali Bhaliya, Jay Gandhi, Dheeraj Kumar Singh. Published In International Journal Of Innovative Technology And Exploring Engineering (Ijitee) Issn: 2278-3075 (Online), Volume-9 Issue-7, May 2020.
- [2] Review Paper On Resume Scanning Using Python. Author: Panil Jain, Nandkishor Kamble, Risha Nadar, Shaikh Luqman. Published In International Research Journal Of Engineering And Technology (Irjet), Volume: 09 Issue: 04 — Apr 2022.
- [3] Resume Recommendation Using Machine Learning. Author: Ramba S Naik, Shrinivas R Dhotre. Published In International Journal Of Creative Research Thoughts (Ijcert), Volume 10, Issue 7 July 2022.
- [4] Resume Screening Using Lstm. Author: Navale Sakshi, Doke Samiksha, Mule Divya3, Prof. Said S. K. Published In International Journal Of Research Publication And Reviews, April 2022.