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AI Resume Analyzer Using Natural Language Processing

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Abstract: *The increasing volume of job applications poses a challenge for recruiters in manually screening resumes. An AI-powered Resume Analyzer utilizing Natural Language Processing (NLP) streamlines this process by converting unstructured resume data into a structured format. This paper presents an AI-driven system that extracts, analyzes, and scores resumes, offering recommendations to applicants and providing recruiters with efficient candidate evaluation tools. The system leverages machine learning algorithms to enhance parsing accuracy and ensure a seamless recruitment process.*

In today's competitive job market, companies receive hundreds of resumes for each job posting, making the screening process both time-consuming and prone to human error. This project presents an AI-powered Resume Analyzer that leverages Natural Language Processing (NLP) techniques to automate the resume screening process. The system is designed to parse and analyze resumes, extracting key details such as skills, qualifications, work experience, and education. It ranks candidates based on their alignment with job descriptions, significantly reducing the time and effort required for initial resume evaluation.

Keywords: *Natural Language Processing*

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