EC19603-PROBLEM SOLVING USING AI AND ML TECHNIQUES

(MINI PROJECT)

RESUME PARSER USING NATURAL LANGUAGE PROCESSING

ABSTRACT:

With the proliferation of digital recruitment processes, the need for efficient resume parsing methods to extract pertinent information has become paramount. This project endeavors to develop a resilient resume parser leveraging natural language processing (NLP) and machine learning techniques. The proposed model is designed to extract details and statistics from resumes, subsequently comparing them to predefined company preferences. This comparison process aims to assess candidate suitability based on the company's criteria. To facilitate intuitive visualization of candidate profiles, the output will be presented in the form of a pie chart, allowing recruiters to swiftly grasp candidate suitability distributions. Our project represents a significant advancement in recruitment technology, offering enhanced efficiency, accuracy, and scalability. Its intelligent analysis capabilities empower recruiters to sift through vast amounts of resume data with ease, ultimately driving better outcomes for both employers and candidates in the modern job market.

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