**TITLE**

**Intelligent Tool for matching Job Description with resume**: Search most relevant resumes for given Job Description.

**ABSTRACT**

Organization receive process and manage thousands of resumes from job applicants. These resumes will be automatically processed by the information extraction system. Extracted information such as name, phone/contact details, emails id's, qualification, experience, skill-sets etc. can be stored as a structured data in a DB and then can be used in various different areas/fields. In contrast to many non-structured document types, information in resumes is in a little structured form, where information is stored in separate blocks. Each block contains related information about a person’s contacts, education or work experience. To parse these resumes effectively and efficiently, the system should be independent of the order and type of information in the documents. We have assumption that resumes have a three level hierarchical structure where upper most level contains segments. These segments consists of blocks that contains related information. Each block can contain several chunks which are named entities

**SOLUTION APPROACH**

Screening a stack of profiles can be a daunting task for even experienced users. However, with a little preparation and an organized approach, the process can be streamlined to help select the best candidates to interview .Our software will do the below for achieving goal

1. Analyze job description to predict the relevancy of a resume

2. Analyze resume

3. Generate analytics

4. Portray recommended resume to the user

5. Accept feedback/comment from the user

**BUSINESS IMPACT**

Organization with the help of solution will be able to get below benefits

1. Detailed analytics on resume which can be missed by naked eyes

2. Quick analysis over resume as top ranked resumes are

3. Assist HR to find a possible Pre joining buddy once a candidate is shortlisted

4. Higher visibility to the relevant resume

**DESIGN AND ARCHITECTURE**

