**TITLE**

Intelligent Tool for matching Job Description with resume.

**ABSTRACT**

Making life easier for recruiters to get an appropriate candidates by converting the process of parsing the resumes automatically. We are using a RPA tool which is an emerging technology towards automation. RPA is robotics process automation which have many tools to automate business processes in order to incorporate accuracy and reliability in the business processes.

**SOLUTION APPROACH**

Approach is to take the inputs from user in order to fetch the correct resume on the basis of the job description provided by the user. In this approach we have given the flexibility to the user to keep the resumes anywhere at any location in the system and also provide the job description at run time.

**BUSINESS IMPACT**

Manual shortlisting of resumes by recruiters take a lot of time and efforts so our solution will save the time as well as efforts by parsing the resumes automatically with the given JD. RPA’s relative ease of use and low requirement for technical support perhaps explains why adoption typically originates inside business operations and not inside Information Technology (IT) departments.[[9]](https://en.wikipedia.org/wiki/Robotic_process_automation#cite_note-ForresterRoleIT-9) Because RPA projects do not require expensive IT skills and investment in new platforms, the economic threshold of processes with a viable business case for automation is substantially lowered.

**Design Architect**

DATAFLOW CHART

Technology used: - RPA (Robotics process automation)

Getting the job description from the user.

Fetching all the relevant details in an excel from each resume in order to meet the requirement.

Inputs required: - Job description, resume folder path

By using user input, going to a specified location where all the resumes exists.

Fetching specific keywords from the job description like: experience, technology, degree etc.

If the percentage match of keywords is greater than 60%.

Searching for the keywords in an excel generated previously.

No yes

Resume is rejected

Resume is relevant for the job description provided and the details of the same will be saved in another excel. The saved excel will be mailed to HR.

Output: - Email to HR for the shortlisted resume.