

# AI – ML Based Ranking of CVs as per Requirement



Information provided by the applicants in CV has vast variations. It can range from as simple as different date formats to the different orientation of the paragraph in the document. In totality, CV is a source of unstructured data. The complexity of the information increased due to the writing style of the applicants. Extraction of applicants attribute from CV using



classical methods like regex, rule-based methods are prone to error and require constant manual information to include new rules.

With the advent of AI and ML, information extraction from CV can be improved in terms of accuracy. In order to automate the process, the information extraction can rely on the hybrid model based on the regex and ML-based approach. The process includes processing the unstructured data to extract entity-based information. The extracted data can be passed to the ranking framework based on a simple rule-based system to the automated approach where the ML algorithm can learn to rank based on the attributes of an applicant.

A model developed on this approach will result in automated processing of the CV.

## Shivani Choudhary

[shivani\[at\]sire.iitd.ac.in](mailto:shivani[at]sire.iitd.ac.in)

I'm a first-year PhD student in SIRE, conducting research in the areas of Artificial Intelligence at IIT, Delhi. I am grateful to be co-advised by Prof. Niladri Chatterjee and Prof. S.K. Saha, and to be supported by an INSPIRE Fellowship from DST, GOI.



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### Current Research Interests

- Natural Language Processing
- Learn to rank
- Information extraction from unstructured data
- Machine learning
- Time series analysis