**Resume Parsing and extracting the entites using PyResParser and PyPdf2**

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**ABSTRACT**

Screening resumes out of bulk is a challenging task and recruiters or hiring manager wastes lot of their valuable time by searching through each and every resume. Often resumes are populated with irrelevant and unnecessary information. Therefore, the process of parsing thousands of resumes manually consumes lot of time and energy there by it makes the hiring process expensive. In traditional hiring, resume screening is a manual process which consumes a lot of time and energy. In this paper the process of screening resumes is automated by using advanced Natural Language

Processing which is a field in Machine Learning .Our model helps the recruiters in screening the resumes based on job description with in no time. It makes the hiring process easy and efficient by extracting the required entities automatically by using Spacy NER model from the resumes and then generates a graph displaying the score of each and every resume. Based on the scores recruiter can choose the required candidates without rummaging through piles of resumes from unqualified candidates.

**Key Words:**

Machine Learning, Natural Language Processing, entities,Named Entity

Recognition(NER) using PyResParser

**NOMENCLATURE**

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| CV | Curriculum Vitae |
| HR |  |
| NLP |  |
| AI |  |
| ML |  |