

Team ZeRoS

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Specialization: Natural Language Processing

Problem Description:

When companies recruit for any position, they usually end up receiving thousands, if not millions, of resumes. Such a huge number of resumes makes the task of going over all these resumes an extremely difficult and tedious job for HR employees. This made a lot of companies opt for systems that take the necessary information from the candidate after they fill an application with all the required fields. The solution worked greatly for employers; nevertheless, candidates have always found it very illogical to spend tens of hours sharpening their CVs and cover letters only to find out that they must spend another hour or so re-entering all the information they have on their CVs in the designated fields.

Business Understanding:

It is often observed by HR that the manual process of evaluation of Resumes in bulk which are populated with excess information often becomes tedious and hectic. Therefore, we could automate this process by reading several formats of files (CV). Then using some basic techniques of Natural Language Processing like word parsing, chunking, regex parser and/or Named Entity Recognition to easily capture information like name, email id, address, educational qualification, experience in seconds from a large number of documents.

Project life cycle along with deadline:

1. Data Understanding and Analysis (19th of April 2021 – 25th of April 2021).
2. Data Cleaning and Transformation (26th of April 2021 – 2nd of May).
3. Performing Exploratory Data Analysis (3rd of May – 9th of May).
4. EDA Presentation and Model Choice (10th of May – 16th of May).
5. Model selection and Model Building (17th of May – 23rd of May).
6. Final Project Presentation (24th of May – 30th of May).

Data Intake Report:

A separate document is provided.

GitHub Repo Link:

[zyadalazazi/resume_extraction_team_zeros \(github.com\)](https://github.com/zyadalazazi/resume_extraction_team_zeros)