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# Personality Prediction through CV Analysis

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**ABSTRACT:** Organizations recruit expert candidates for their development. But the main concern for them is selecting the right candidate. Every year, they receive a lot of applications, and it will be difficult for them to go through all the applications and recruit the best candidates. Traditionally, they go through the candidates' CVs or resumes and recruit them. The proposed system helps to recruit the right candidates by parsing the data in CVs and resumes and by conducting quizzes to predict personality. Logistic Regression is used to build the model that will parse the data. The system also uses pyresparser to parse the information from a CV or resume. In this way, the model helps to find the personality and details of the candidates, such as skills, experience, and so on. Using this system, organisations can find expert candidates and make the recruitment department's work easier.

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## I. INTRODUCTION

Personality is much more than a mask now; it could possibly determine whether a person is suitable for a particular job profile. It tells us if a human is capable enough to lead, influence and communicate effectively with others. The first step of recruitment is the job application which consists of personal details, experience, and most importantly CV. Companies typically receive thousands of applications per job opening and have a dedicated team of screeners to select qualified candidates. It is very difficult for human beings to manually go through the CV of all applicants. Many candidates get filtered out in the first round itself on the basis of suitability, improper CV, not being skilled enough. Hiring the right candidate is a very difficult task as no candidate is perfect, some might not be skilled enough or some might not have the right personality. Hence, we propose a way in which the process of shortlisting gets streamlined and faster by personality prediction.

## II. METHODOLOGY

Method and analysis which is performed in your research work should be written in this section. A simple strategy to follow is to use keywords from your title in first few sentences.

### Subheading

Subheading should be Font Size- 10pt, Font Type-Cambria, justified.

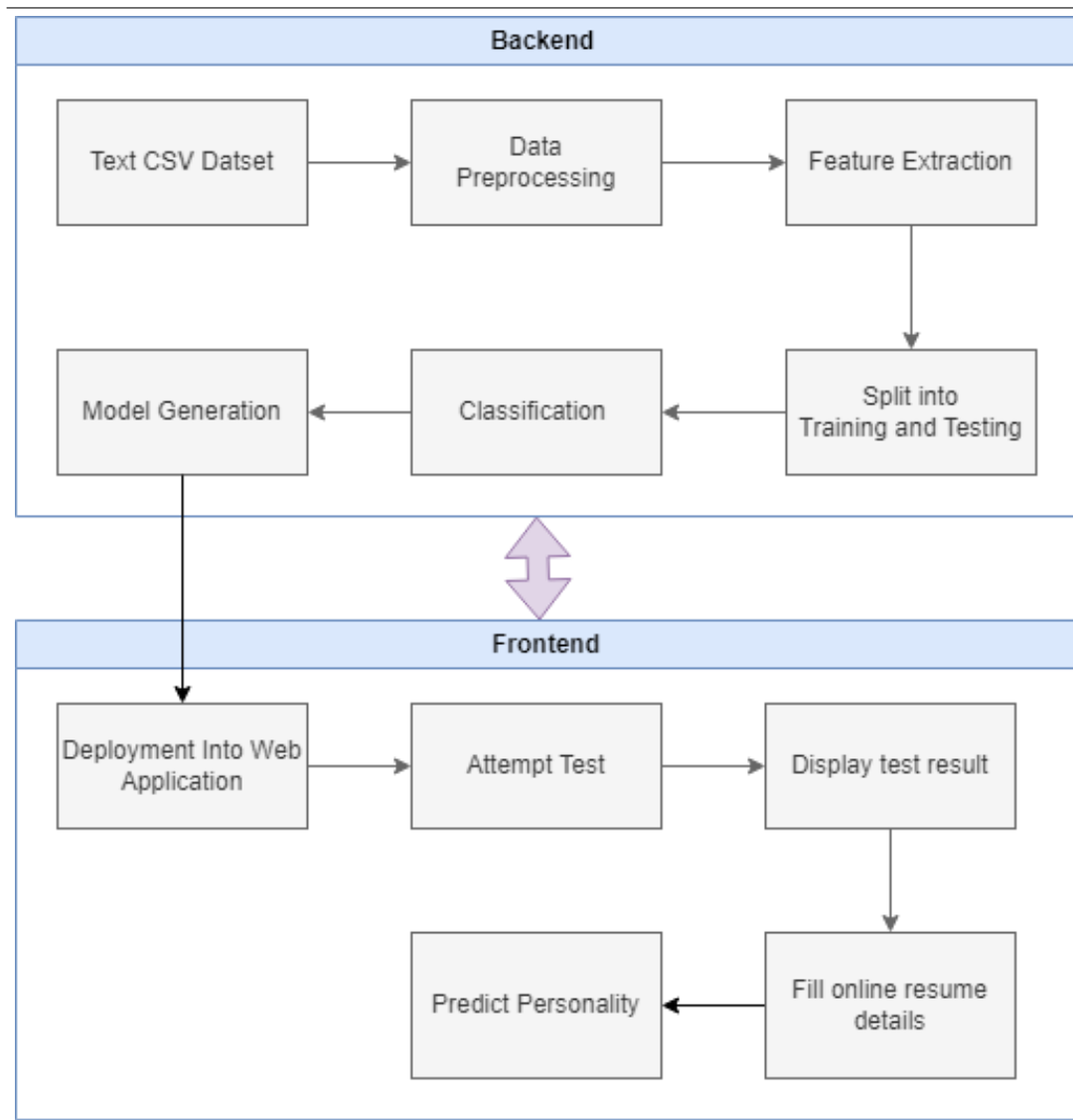
### Subheading

Subheading should be 10pt Times new Roman,



**III. MODELING AND ANALYSIS**

Model and Material which are used is presented in this section. Table and model should be in prescribed format.



**Figure1:**System Architecture

**IV. OTHER SPECIFICATIONS**

1 ADVANTAGES:

- This system can be used in many business sectors that may require expert candidate.
- This system will reduce workload of the human resource department.

2 LIMITATIONS:

- Requires an active internet connection.
- May provide inaccurate results if data not entered properly.

3 APPLICATIONS:



- This system will help the human resource department to select right candidate for particular job profile which in turn provide expert workforce for the organization.
- Concern person can easily shortlist a candidate based on their CV and can select an appropriate candidate for desired job profile.

## V. CONCLUSION

Personality analysis and prediction have become very popular in recent years. Using the existing system to extract the user's personality is extremely useful in a variety of fields, including recruitment, medical counselling, and so on. This section discusses how the classification algorithms performed in predicting the user's personality.

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