

Prediction & Analysis of CV

*A Project Report submitted in partial fulfilment of the requirements
for the award of the degree of*

Bachelor of Technology **in**

Computer Science and Engineering

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Under the Guidance of

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Declaration

I hereby declare that the work which is being presented in the B.Tech. Project “**PAC(Prediction & Analysis)**”, in partial fulfillment of the requirements for the award of the *Bachelor of Technology* in Computer Science and Engineering and submitted to the Department of Computer Engineering and Applications of GLA University, Mathura, is an authentic record of my own work carried under the supervision of **Mr. Mayank Srivastava (Asst. Professor)**.

The contents of this project report, in full or in parts, have not been submitted to any other Institute or University for the award of any degree.

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Name of Candidate: Krishan Kumar Sharma
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Certificate

This is to certify that the above statements made by the candidate are correct to the best of my/our knowledge and belief.

Supervisor

Mr. Mayank Srivastava
(Asst. Professor)

Project Coordinator

(Mr. Mayank Srivastava)

Program Co-ordinator

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Date:

ACKNOWLEDGEMENT

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ABSTRACT

This project is aimed at making the process of hiring a semi –automatic one by providing a standard set of questions to the interviewer so that the play field remains even for the appearing candidate. The project aims at taking in PDF format as input then after going into the parser the extraction of the information is done and the data extracted is analyzed for any errors which may be suggested to the applicant as an improvement to the resume. The use of specific words which tells the proficiency of the applicant in the particular subject are taken into special consideration and the question set is suggested in that fashion only. The description of knowhow of the subject by the applicant reveals us the level of hardness an applicant can face an interviewer. Furthermore the professionalism of the resume such as not missing the indent and various mistakes in the resume tells us the professionalism of the applicant. The more professional the applicant the more sophisticated the interview. Furthermore the job applicant can be suggested the various jobs just on the choice of subjects he has mentioned in the resume. The profile of the job and the subjects mentioned by the applicant must intersect for the applicant to be eligible for a particular profile. PAC aims at extracting the information out of a PDF .We have chosen the portable digital format because it does not change across various platforms. As designing the parser for various formats was a bit more tedious so we firstly convert the format to PDF then proceed with extraction. The extraction is done with the help of python library named PymuPDF. The result achieved with our extraction were quite satisfactory and we were able to arrange the information in a well-designed manner. After the data is extracted we move forward for checking of various words with the help of spell checker program module of our project to show us both indentation errors and the words which might have been misspelled. The spell checker and indentation error checker is also written in python. After these extraction and arrangement and the suggestion processes we move on to picking out the subjects and the level of expertise if mentioned by the applicant in particular and proceed further on the suggestion module of our project which suggests the questions to the interviewer to be asked to the applicant and it further tells to the interviewer on the basis of resume analysis whether the candidate is eligible for the job profile.