

An Automated Resume Evaluation Tool

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ABSTRACT

Text recognition is a technique that acknowledges textual content from the paper document in the preferred format (such as .doc or .txt). The text recognition process includes several steps, consisting of pre-processing, segmentation, characteristic extraction, classification, and post-processing. The preprocessing is finished as a binarized photo to transform a grayscale image, and noise is decreased on the input image of the primary operation performed by the aid of removing the noise of the photo signal. The segmentation section is used to segment the photo given online and section each character of the segmentation line.

Feature extraction is to compute the traits of the image document. This report describes strategies for changing the textual content of a paper document into a machine-readable format. This paper analyzes and compares the technical challenges, methods, and overall performance of textual content detection and recognition studies in color images. It summarizes the primary issues and lists the factors that need to be taken into consideration whilst addressing them. The prior artwork is classed as step-by-step or included and highlights sub-problems consisting of text localization, verification, segmentation and identification of text.

INTRODUCTION

Finding a job is one of the key tasks that people perform today. Almost all companies nowadays leverage online systems and offerings for harvesting and managing applicants' information. A number of online resume distribution and search sites have widely been in use worldwide today, such as CareerBuilder, Indeed, Glassdoor, Monster, LinkedIn, etc.

LinkedIn is surely one of the most famous social networking platforms in the world for commercial enterprise networking with over 300 million members. Despite its speedy growth, however, only half of its participants are acknowledged to have "complete" profiles. Half of the customers aren't getting the results they might like, which includes calls from recruiters about better job opportunities due to the fact they have not spent enough time to understand and state simply what must be on their profile. Having an entire, error-free and properly-prepared resume is a key to leaving an excellent first impression with recruiters and employers. Hence, it is crucial to check one's resume carefully.

For busy college students and professionals, often the important task of developing, updating and maintaining a resume can encounter as a daunting assignment. Traditionally, for primarily paper-based resumes, candidates might go to resume clinics or resume professionals for help. Upon finishing the first draft, the applicant would sit down with a resume professional and feature every segment reviewed for correctness and so on.

One can try this in an extra crowdsourcing-based way whereby a number of acquaintances with enough professional experience are requested to check a candidate's resume and offer feedback.

1.1 EXPERT SYSTEM

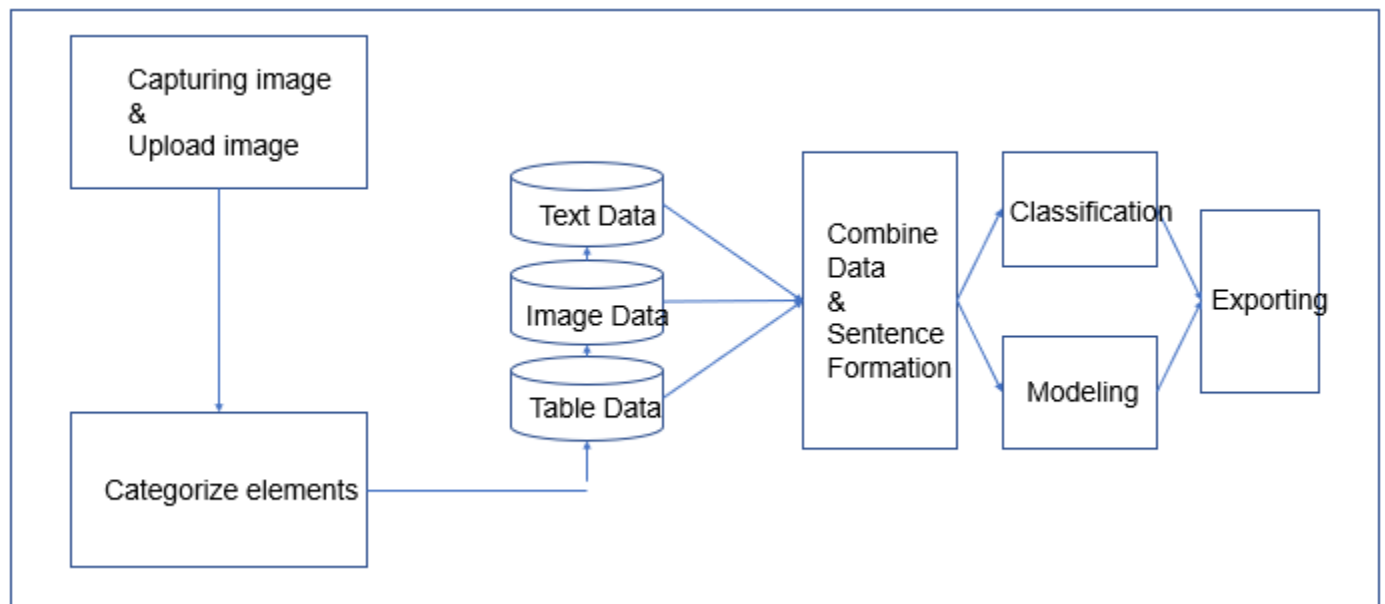
A. EXISTING SYSTEM

Present system is the manual system where every task is performed again & again. We want to manually change the layout of the resume. Sending of resumes is completed manually. All the activities in the system, which can be done by using automated methods, are being done manually. Since all tasks are being accomplished manually so it requires a lot of work force.

B. PROPOSED SYSTEM

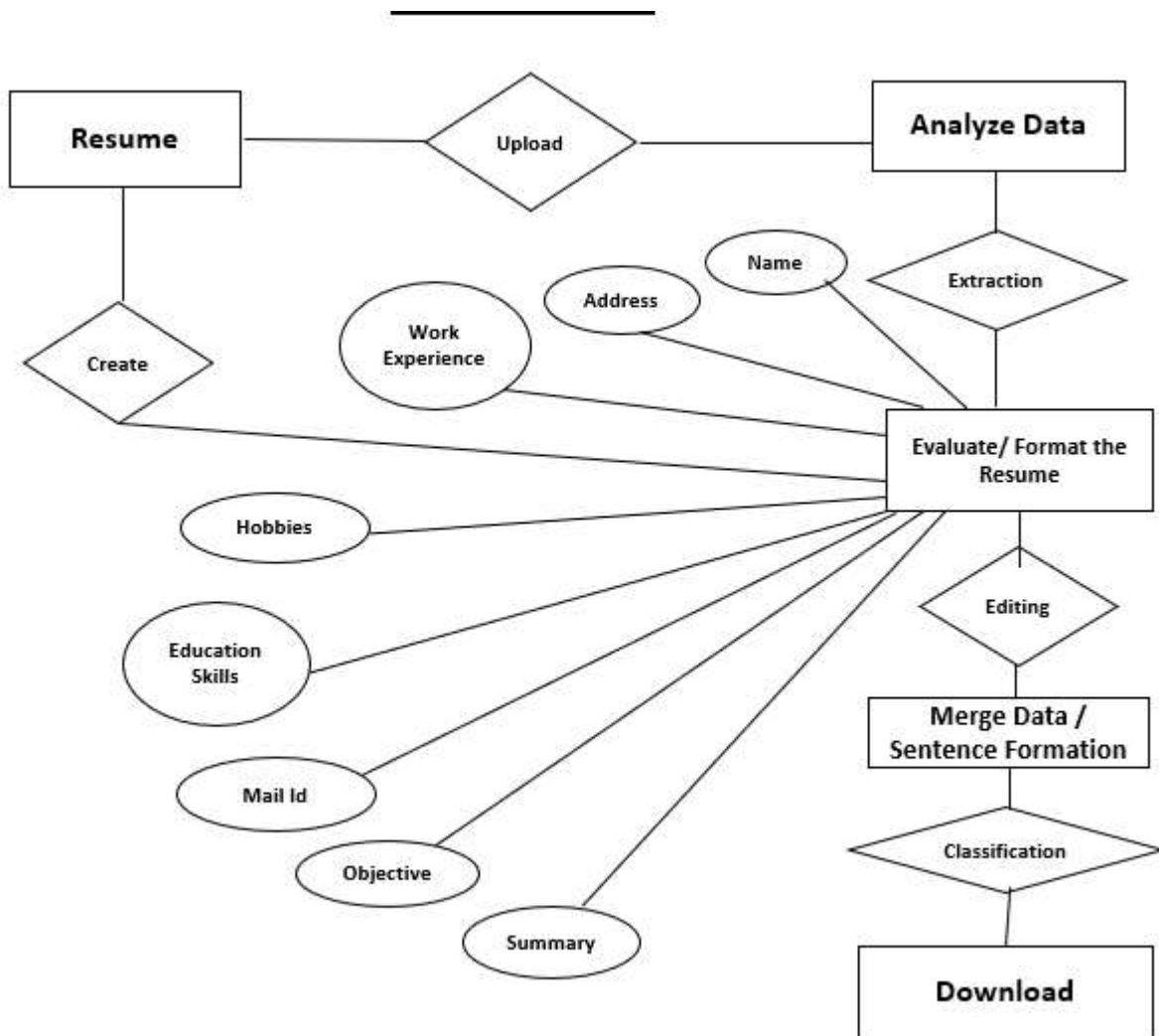
It provides a seamless experience to the user to upload the resume and the let our algorithm decide which data is relevant and make a json and fit it into the template of your choices. This will give us a ATS bypass able resume which can lead you to the better job and more opportunities.

1.2 SYSTEM ARCHITECTURE



The proposed system architecture is simple for users where they just have to upload the resume and then we will categorize the elements and extract the text image and table data and classify it to the lowest level. Then we combine the data and form meaning full sentences and then it parse your resume to the template and the we give you option to preview and download it. This will enhance the process and give you better returns in your job search.

WORKING PRINCIPLE



Build Resume- Users can create a new resume.

Resume form: Candidates on selecting the layout will be given an online form to be filled. The form includes questions like name, education skills, hobbies, address, summary, objective and so on.

Edit Resume –Users can upload their existing resume and can edit the details with relevant skills.

Resume builder: On submitting the form the system stores the data and within a short period of time generates a resume in selected format.

Export facility: Users can export the file to PDF.

METHODOLOGY

1.WEB TECHNOLOGY:

System study is a first primary level according to the System development life cycle framework. This system study is a process that starts with the analyst.

To perform this study, it was necessary to understand how a basic online system works. Then, we apply the same method to this online resume builder. The next phases are to examine the process and start coding procedure.

Analysis is a detailed study of the numerous operations carried out by the system and the relationships within and outside of the structure. One feature of the study is defining the boundaries of the structure and determining whether or not an applicant system should consider other related systems. During studying information is collected on the accessible files, decision points and transactions handled by the present models.

Logical system framework and gadgets that are used in analysis. Training, experience and common sense are required for collection of the information needed to do the study.

ReactJS is JavaScript library used for building reusable UI components.

React is a library for building composable user interfaces. It uplifts the formation of reusable UI section, in which current data changes over time. Lots of individuals use React as the V in MVC.

React extract away the DOM from you, offering a simpler programming prototype and better performance. React can also provide on the server using Node, and it can weight native apps using React Native.

React implements one-way reactive data flow, which reduces the boiler plate and is easier to reason about than traditional data binding.

Node.js is a platform built on Chrome's JavaScript runtime for easily building fast and scalable network applications. Node.js uses an event-driven, non-blocking I/O framework that makes it lightweight and systematic, perfect for data-intensive real-time programs that run across distributed tools.

Node.js is an open source, cross-policy runtime environment for developing server-side and networking requisition. Node.js practices are written in JavaScript, and it can be run within the Node.js runtime on OS X, Linux and Microsoft Window.

Node.js also features a rich library of different JavaScript modules which simplifies the production of web applications using Node.js to a greater extent.

2.WEBAPP GUI:

GUI means Graphical User Interface which is used to interact with the users. The primary goal of GUI is interaction. The design of GUI should be good and simple so it becomes easy for the users to interact with the system. If the architecture of GUI is convenient then it becomes easy for the users to give correct information so that the correct data is stored on the server. Indirectly this correct data helps in correct analysis and prediction. For Web application development, React Js provides a drag and drop feature so that the designing phase of GUI becomes easy and fast.

3.MongoDB DATABASE

The objective of Database Design is to generate a set of association schemes that allow us to store data without unnecessary redundancy and allows us to recover information easily. We can attain enhancement, ease of use in maintenance by designing the database using relational model between or among the tables.

- ♣ To lessen the redundancy.
- ♣ To arrive at loss-less join.
- ♣ To reduce the time as compared to the present system.
- ♣ To reduce the number of errors

CONCLUSION

The project “An Automated Resume Evaluation Tool” is for computerizing the working of building resumes. The software takes care of all the requirements of the process and is capable of providing easy and operative storage of information related to the customers and resumes that come up to the system.

It generates reports for customers & administrators. Also, it provides effective designing tools and other essential aspects. The system also provides the facility to contact the customer. We are providing a seamless experience for the candidates.

Most of the students are suffering from this situation every time and maintaining a resume and CV is a hassle. Having a structured, error-free and well-assembled resume is a key to leaving a good first impression to the recruiters and employers. Hence, it is important to check one's resume carefully.

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