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Resume Builder Application

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Abstract: Nowadays there is a tough competition for getting a job and one of the biggest trials for many job-seekers is creating the perfect resume. The resume is the very first thing that a potential employer encounters regarding an applicant and is used to screen applicants, often followed by an interview. This research paper aims to specify a method for creating resumes in a very simpler and user friendly way. We are proposing an application that will help applicants in creating resumes by simply taking their information as input. Resume builder application allows users to login/signup via OTP verification and let them create, update, delete, view and save their resume in pdf format.

I. INTRODUCTION

This is an application that helps us to build a resume for individuals. The system is malleable for creating an appropriate resume according to qualification by reducing the need of thinking. Usually individuals get confused while creating a resume especially fresher's who are looking for new jobs. They are not much clear about what things and information must be included in a resume. This application will provide an easy way of developing a resume that will look like a professional resume [3].

This application requires less human interruption and a user friendly app. Individuals just have to fill in the required fields of the form such as educational information, interest, skills, work experience and so on. The information given by the user will be stored in the system and generate a well-structured resume. Users will be able to create a resume in any format. The proposed application will reduce the manual work of individual as a person can get his resume in a formal format without any issues just by using this resume builder application. It is mainly focused on format by simply choosing the desired template and giving some necessary details to the application and the resume builder app will process this raw information into the finished resume easily [3].

II. LITERATURE REVIEW

A. Manual Creation of Resume

Long Back resumes were created manually by using MS Word and the format at that time was quite different. These are the fields that applicants used to mention in their resumes, in personal information applicants used to write their name, address and phone number. Applicants also used to mention their personal opinion in their resume. That time applicants used to mention their both early and recent education details. Applicants used to create either too short or too long resumes because at that time there were no standards set for ideal length of resumes.

B. Inference Drawn From Conclusion

Some inferences are drawn from literature review and research regarding what should be the length of a resume? What information should be included in a resume? What information should be avoided while writing a resume? Ideally in personal information name, address, phone number, email address should be included and height, weight, religion, birth date, marital status should be avoided. Resumes of one page length are preferred more over resumes of two page length.

III. PROBLEM STATEMENT AND SOLUTION APPROACH

A. Problem in existing system

The existing system is creating resumes manually either by using word or Google doc so there are some issues with the existing system. The existing system was suffering from a series of drawbacks. Since the whole of the system was to be maintained with hands the process of keeping, maintaining and retrieving the information was very tedious and lengthy. The records were never used to be in a systematic order there used to be lots of difficulties in associating any particular transaction with a particular context If any information was to be found it was required to go through the different registers, documents there would never exist anything like report generation There would always be unnecessary consumption of time while entering records and retrieving records One more problem was that it was very difficult to find errors while entering the records Once the records were entered it was very difficult to update these records.

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The reason behind it is that there is a lot of information to be maintained and has to be kept in mind while making the resume. The existing system is quite laborious and time taking. The existing system is time taking and difficult. Some applications and websites are also providing the facility to create resumes but those applications and websites are charging for the same so those systems are not cost effective

B. Proposed Work

1) This app allows users to login/sign.

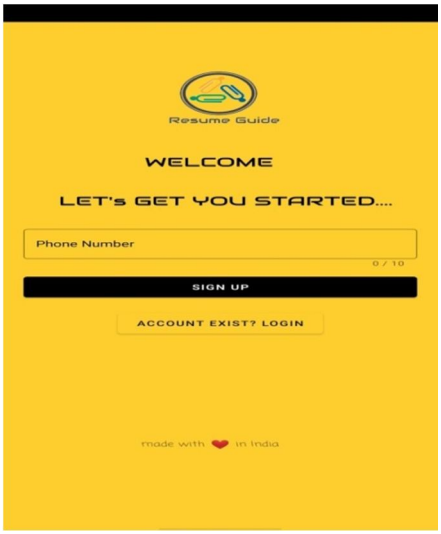


Fig. 1 Login page of application

2) Application verifies users by sending them OTP.

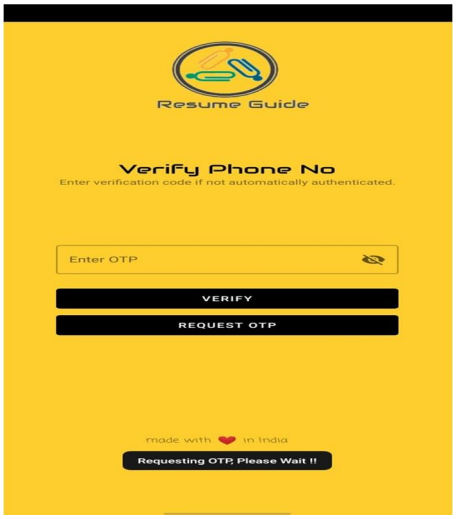


Fig. 2 Otp verification of user

3) This app allows and suggests users to choose from several creative and up-to-date templates to make their resume more eye-Catching to HR.

4) This app generate resume according to the internationally recognized format of resume.

5) This app does the proper grammar and spelling check of the resume for the user so they don't have to worry about grammatical havocs.

6) This app has 128 bit encryption of user data, so the user does not have to worry about data theft.

7) This would be facilitating the employees to make and print their resumes in a proper format.

8) This app automates the process of creating resumes by simply taking information as input from the us

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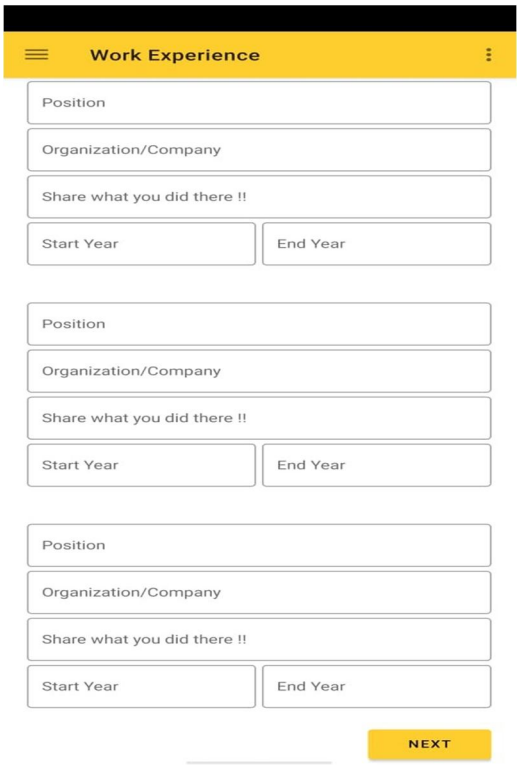


Fig. 3 Input from user

a) Advantages

i) It is free of cost.
ii) It saves time for users
iii) It helps users to focus on content.
iv) In application creation and modification are very simple and user-friendly tasks.

C. Technology Used

1) Android SDK: The Android (SDK) includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and tutorials [1]. Debugger tool provide communication with an emulator instance or connected Android-powered Device as it is a versatile common line tool. Emulator helps to test application without the use of a physical device. Android tools helps in managing projects, Android Virtual Device and the installed component of the SDK. Android software development is the process by which new applications are created for devices running the Android operating system. Android apps can be written using Java, Kotlin, C++ languages. Android SDK is used as a tool for developing Android apps. In the proposed system we used android SDK for development of resume builder application.



Fig. 4 Android SDK

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2) *Firebase:* Firebase is a mobile platform that helps you quickly develop high-quality apps [2]. Firebase allows you to build apps which need authentication, database, file storage, analytics and server side functionality without having to own and manage infrastructure and software required for server side support. User Authentication is achieved with the help of passwords, phone numbers, Google, Facebook, Twitter etc. Firebase facilitates authentication in an app by summing up the different methods of sign in. Data is non-volatile i.e. remains available in the offline mode and is shared among all clients.. Firebase can be added to android sdk by creating a firebase project and then by registering an android application with that firebase project.

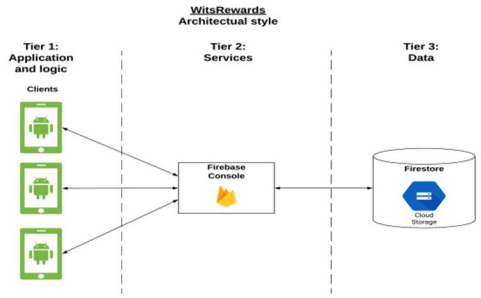


Fig. 5 Firebase

3) *Material UI inside Android SDK:* Material UI inside Android SDK helps in material designing. It was developed by UX designers at Google.



Fig. 6 Material component

4) *Google Play Services:* The official Android app distribution mechanism to end users is Google play service it also allows staged gradual app release, as well as distribution of pre-release app versions to testers [1]. For running and keeping application up to date google play service is responsible.



Fig. 7 Google Play store

D. Comparison Between Proposed and Existing Systems

In the previous method of creating resumes manual work is required while in the proposed system resume builder application automates the creation of resumes, it just takes information from users in the form of input via user friendly interface and generates resume in pdf format. Proposed system follows the internationally acceptable format for resume creation while in manual creation of resumes users have to take care of a format that is quite a difficult task. Proposed system creates resumes within no time while manual creation of resumes takes a lot of time. In proposed systems editing is very simple and user friendly while in manual creation of resume modification is difficult and time taking task.

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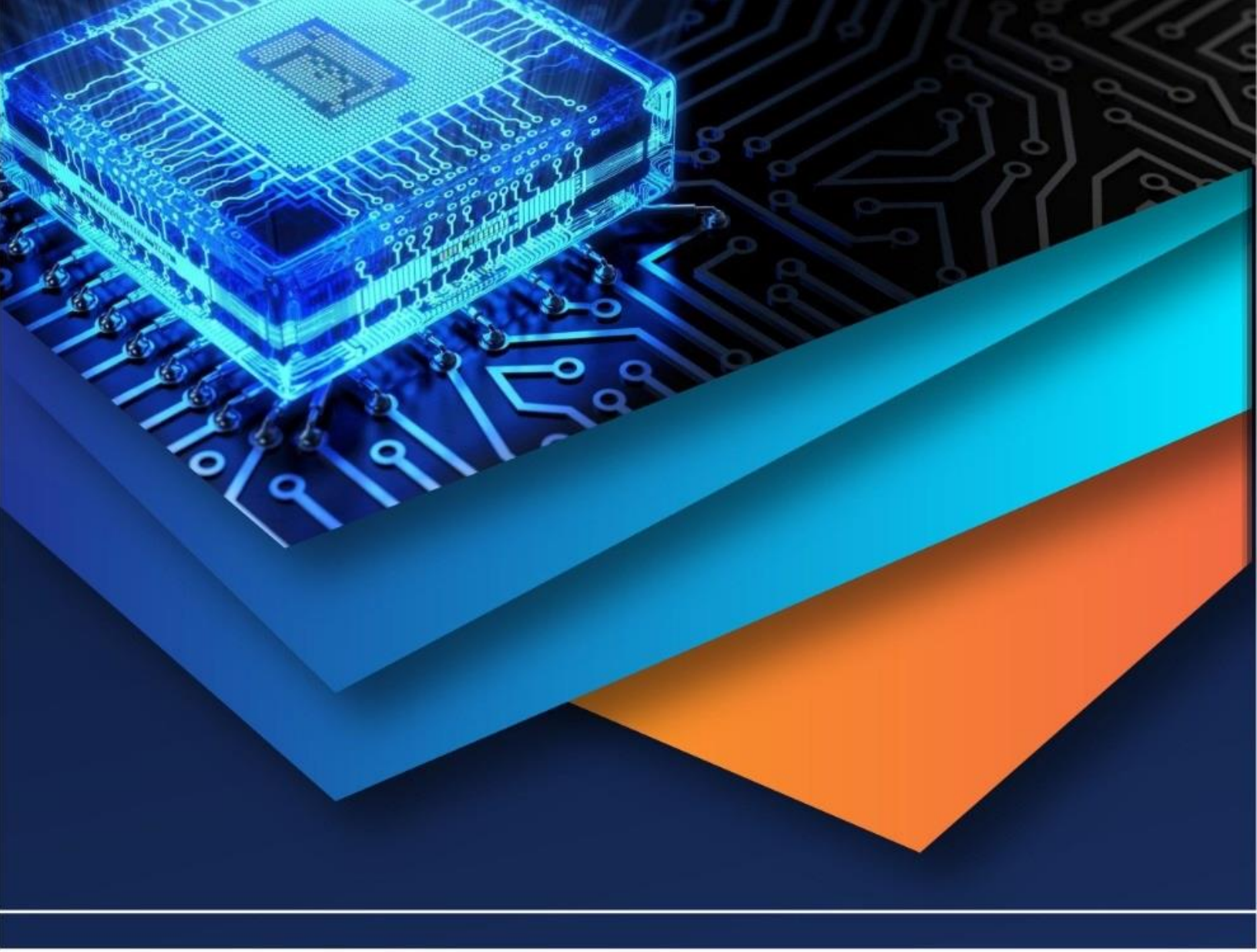
IV. CONCLUSION

This paper summarized the importance of a perfect resume and method to create formal and eye-catching resumes. The proposed application is very helpful and makes the resume formation easy so that a person can get his resume in a formal format without any issues just by using this resume builder application. It is mainly focused on format by simply choosing the desired template and giving some necessary details to the application and the resume builder app will process this raw information into the finished resume easily.

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