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Digital Resume - Personal Website Builder

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ABSTRACT

A Resume is an inevitable thing for a jobseeker, It helps an employer to validate the aspirant without looking at his face. So it is very important to create it very neatly by including all your details. Consequently, it needs to be updated with all your skills and experiences and these are also variable factors, therefore you have to change it frequently to keep it updated. It also needs to keep safe and remember to take it for all the interviews you are going to attend.

This is an era of the digital world, now everything getting into its digital format then why not your resumes. It's time to forget about old paper resumes/CVs and problems along with it.

Digital Resume is an online live platform which allows you to access your resumes digitally from anywhere in the world with an internet-connected device, at any time. It gives the provision to share a short link to any platform, where the resume of a person is simply available in it. Digital Resume is a modern way of presenting your profile to the needy one, It covers all the uncomfortability of traditional paper resumes and gives you the freedom of customisation, improvements and any updates at any time of your life period. Digital resumes are more reliable than printed resumes/CVs as well as it helps to prevent misrepresentation of data [1].

Once the user has done it, he doesn't have to carry sheets of papers along with your journey, just remember a keyword like your usernames in social media. Therefore it is suddenly accessible and more convenient than usual profiles so it offers widespread opportunities for self-marketing on different platforms [2].

Key Words: Resume builder, Personal Web page, Blog, Portfolio, PHP

1. INTRODUCTION

In this modern world, technology and the internet are developing day by day, It helps to make data more accessible from anywhere. And it is time to forget about all your paper documents and problems associated with them. Internet is a globally accessible shelf that can hold your data in more convenient way. Every document including certificates, id proofs, application forms... etc is getting into its digital format and stored in cloud storages which helps to increase its accessibility and usability. And many of these documents needed timely updates and modifications, So digitally generating and storing them made our jobs easier and faster. Here it signifies the importance of Digital Resumes also. Resume/CV's are essential documents that a job seeker cannot avoid in his career. Correspondingly Digital Resume can make his career path more facile. Even the students can use it for their self-promotions and differentiating themselves from others [3].

Today we need better innovative methods for presenting and ranking resumes [5]. Digital Resume-personal website builder allows you to create a single page resume that can hold your all personal, academic, and experience details. Instead of creating new resumes, you can simply update your single web page whenever you need an update and from the next second, it will be live. A platform like this can also make the process of validating much easier than before. The platform works with graphical user interface therefore even people from a non-programming background can easily develop a personal website with simple common sense.

2. PROPOSED SYSTEM

The system must be made because the traditional resumes/CVs are not enough for the modern employment system. The modern market needs a clearer, convenient, and more accessible system of job-seeking profiles. So a digital resume allows creating an electronic version of the resume which is always live on the internet. Anyone without any coding knowledge could develop his own digital resume in the form of a personal website.

The system will display various templates and the user can select any template according to his preference, the web app is designed in such a manner that the users can select and create templates of their desire using GUI. If the user needs to change the appearances and designs in future, without rebuilding the entire resume he/she could change its template only [4]. Users can create a portfolio, testimonial, contact form, blog etc like a content management system. The system will automatically create a personal website using the information provided. As well you will get a URL that links to your page, which looks like website.com/YourResumeID.

In the further updates of the system, it provides wide opportunities for the job seekers to find their desired job vacancies in different companies when new job openings are opened [9].
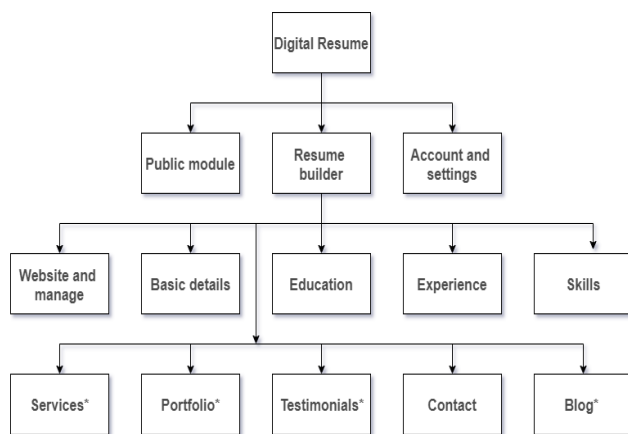
3. METHODOLOGY

Figure1: Modules of digital resume

The system has mainly 3 modules: Public module, Resume builder, and Account and settings.

Public Module

It is the general viewing end of a personal website, Anyone with the URL can view a profile in this module. It is completely public accessible but they cannot change or edit the data. Although any user can send private messages to another user by visiting their resume and clicking contact options.

Resume Builder

The resume builder is the core module that helps to make our personal digital resumes.

It connects and coordinates with other modules also. After sign up on the website, the user can enter this module and give the needed information to build his/her own resume.

After entering all the details they can personalize or choose a custom template to be displayed.

And whenever he/she completes the procedures and submit, The digital resume will be available in a unique URL. If there is any change or modifications in future, the user can simply return to this module, then edit and resubmit.

Account and Settings

This is the third module that contains the user's accounts and other settings of the digital resume web platform.

Sign-in information, privacy and security options, cloud storage details etc are avail in it. And also users can receive notifications and ask for support from this section
.

4. SYSTEM ARCHITECTURE

The system architecture decides how the system should work. Request response time, page loading time, Ability to handle multiple requests etc. are defined with the architecture of the web app. Therefore, for better performance it is indeed to use the best architecture. Here it uses the MVC architecture (Model-View-Controller Architecture).

MVC Architecture
(Model-View-Controller)

MVC Architecture means Model-View-Controller architecture, which is a pattern architecture design for software projects. The architecture has 3 components, They are Model, View and Controller (Fig 3). These components make the system more customizable [10].

Model: The first layer of the architecture which deals with data and database connections as well. Also, it consists of business-logic related data and application data. Development of Models affects the entire performance of the system.

View: As its name refers it is the viewing layer or the result showing layer of an MVC architecture. All the user interface components are present here and it decides overall appearances of the system. And it can be easily linked with dynamic scripts like AJAX.

Controller: Controller plays a mediator role in between model and view components, and also the data flow is decided by this component. Thus it takes data from the user and processes it with Model components and imparts it to the View component.
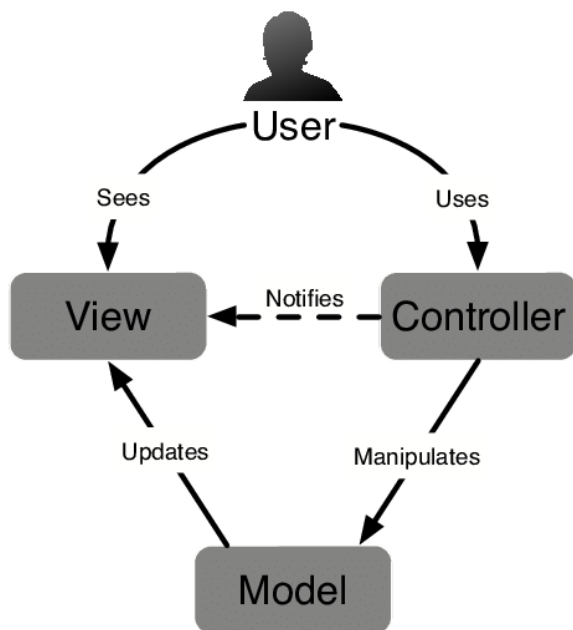

Figure 2:. MVC Architecture

5.CLIENT SERVER ARCHITECTURE

The Digital Resume-personal website builder is a web app hosted on a cloud server which response to client requests accordingly. It helps to automate all the tasks of resume building from initial to final. The user-friendly graphical user interfaces of the app make the task easier.
Therefore the user does not need to know about the programming language and concepts.
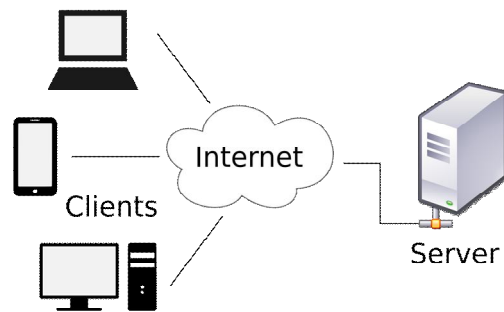

Figure 3: Client-server architecture

The server can handle multiple requests at a time and the web app retrieves the corresponding page to the user whom it requested(fig2).
The frontend is made with HTML 5 CSS 3 and Javascript. The backend is programmed in PHP 7.2.
The system strictly follows the guidelines of Model view controller architecture (MVC architecture). As well as it needs a stronger database which can hold a huge amount of data, Here we use the SQL server for storing all the user data.
In future, the application can sort out the profiles for employers to seek their needed aspirant [6]. As well as job seekers will get notifications about vacancies in different companies by analysing their profiles [7]

6.IMPLEMENTATION

PHP

PHP stands for Hypertext preprocessor, which is a server side scripting language. It was created by Rasmus lerdorf in 1994.
It's a widely using programming language to build web apps, according to W3 tech's data 78.9% of web is created with PHP.
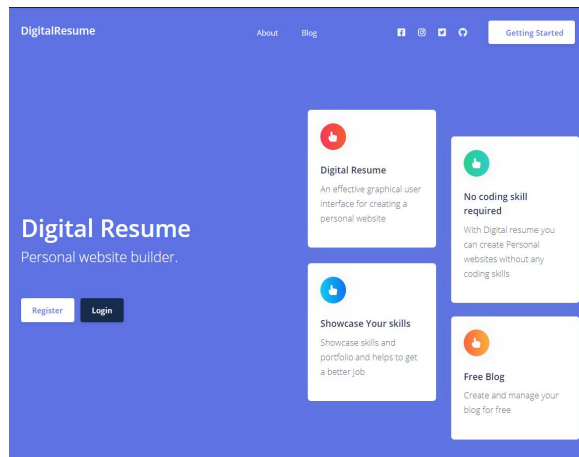
This web app uses the latest version of php, which is php 7.2.

SQL

SQL stands for Structured Query Language, which is used to interact with databases. It can be used for storing, manipulating and retrieving data in databases.
The latest version was released in 2019 (Microsoft SQL Server 2019).This standard language is designed by Donald D. Chamberlin and Raymond F. Boyce.

7. RESULT

The above image shows how the personal website builder looks like.User can register an account from this home page and then start to build his/her portfolio.

5. CONCLUSION

In this digital era, traditional old paper profiles are not enough; a personal website can do more things than an ordinary resume could. It gives more freedom to design, update and access. Digital Resume is a web page that is hosted in a
cloud server which can be accessed from anywhere at any time. Even a person from a zero coding background can easily develop a personal website for him. It saves a lot of time, makes more accessible, less effort of designing, easy customization etc attracts people to it. Applying Machine learning algorithms could extend its scope and accessibility for ranking and sort out different profiles.

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