Student Information System with Resume Builder

A Project Report Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Towards Partial Fulfillment for the Award of

Bachelor of Engineering in *Computer Science & Engineering*

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EXAMINER APPROVAL

The Project entitled ***"Student Information System with Resume Builder"*** submitted by **Aditya Paliwal (0827CS201015)**, **Aman Khan (0827CS201024)**, **Aman Kumawat (0827CS201025).**

This has been examined and is hereby approved towards partial fulfillment for the award of Bachelor of Engineering degree in Computer Science & Engineering discipline, for which it has been submitted. It understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the project only for the purpose for which it has been submitted.

(Internal Examiner) **(External Examiner)**

Date: **Date:**

GUIDE RECOMMENDATION

This is to certify that the work embodied in this project entitled "***Student Information System with Resume Builder***" submitted by **Aditya Paliwal (0827CS201015)**, **Aman Khan (0827CS201024)**, **Aman Kumawat(0827CS201025).** It is a satisfactory account of the bonafide work done under the supervision of **Prof. Priyanka Jangde and Prof. Narendra Pal Singh Rathore** are recommended towards partial fulfillment for the award of the Bachelor of Engineering (Computer Science & Engineering) degree by Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal.

(Project Guide) **(Project Coordinator)**

STUDENTS UNDERTAKING

This is to certify that project entitled **"*Student Information System with Resume Builder*"** has developed by us under the supervision of **Prof. Priyanka Jangde** and **Prof. Narendra Pal Singh Rathore**. The whole responsibility of work done in this project is ours. The sole intension of this work is only for practical learning and research.

We further declare that to the best of our knowledge, this report does not contain any part of any work which has been submitted for the award of any degree either in this University or in any other University / Deemed University without proper citation and if the same work found then we are liable for explanation to this.

Aditya Paliwal (0827CS201015)

Aman Khan (0827CS201024)

Aman Kumawat (0827CS201025)

Acknowledgement

We thank the almighty Lord for giving me the strength and courage to sail out through the tough and reach on shore safely.

There are number of people without whom this projects work would not have been feasible. Their high academic standards and personal integrity provided me with continuous guidance and support.

We owe a debt of sincere gratitude, deep sense of reverence and respect to our guide and mentors **Prof. Priyanka Jangde and Prof. Narendra Pal Singh Rathore**, Associate Professor, AITR, for their motivation, sagacious guidance, constant encouragement, vigilant supervision and valuable critical appreciation throughout this project work, which helped us to successfully complete the project on time.

We express profound gratitude and heartfelt thanks to **Dr Kamal Kumar Sethi**, HOD CSE, AITR Indore for his support, suggestion and inspiration for carrying out this project. I am very much thankful to other faculty and staff members of CSE Dept, AITR Indore for providing me all support, help and advice during the project. We would be failing in our duty if do not acknowledge the support and guidance received from **Dr SC Sharma**, Director, AITR, Indore whenever needed. We take opportunity to convey my regards to the management of Acropolis Institute, Indore for extending academic and administrative support and providing me all necessary facilities for project to achieve our objectives.

We are grateful to **our parent** and **family members** who have always loved and supported us unconditionally. To all of them, we want to say, “Thank you”, for being the best family that one could ever have and without whom none of this would have been possible.

Aditya Paliwal (0827CS201015), **Aman Khan (0827CS201024)**, **Aman Kumawat(0827CS201025)**

Executive Summary

"Student Information System with Resume Builder"
This project is submitted to Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal (MP), and India for partial fulfillment of Bachelor of Engineering in Computer Science & Engineering branch under the sagacious guidance and vigilant supervision of ***Prof. Priyanka Jangde and Prof. Narendra Pal Singh Rathore***.

The project is based on Web Technology, which is a sub field of Web Development, concerned with various techniques of web design. In the project, Laravel is used, which is open-source software. It is used for creating the main logical part of the website in back end. The purpose of this project is to implement in college that will help in maintaining students resume.

Key words: Resume, CV, Eligible students

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Chapter 1 .Introduction

Introduction

This world consist of so many new technologies which are being largely used by many technical industries and companies and they keep's on upgrading day by day nowadays there are so many students are enrolled in colleges which the university or college have to manage them and sort out when required with their qualities and skills. This is system on web which has been developed to maintain the students and manage their resumes whether they are eligible for the current requirements. The data gets too much to analyze such thing this website has been developed

1.1 Overview

The project is based web development a website is developed for students, faculty and HOD's . They all have different tasks to perform on website. This system is developed in such a way that teacher and HOD's have more rights and access on website and students has to enter the required data which is given in form they don't have more rights to see others information. A record is maintained for a particular entry, of data entered by anyone and maintained by admin panel.

1.2 Problem Statement and Objectives

In our college, there are a large number of students and to help the faculty for sorting out data of students for placements and to manage the resumes of all the students whether from high skills to low or any category.
Thus, the system implemented has the following objectives :

Objective1 – To store the data entered by students, faculty and HOD's cause it contains their personal information data needs to be secured .

Objective 2: To keep a record of all the resumes that has been created on website and to list out them in good manner using a filter and adding a search bar.

1.3 Scope of the Project

As the project uses: web development technology

- It can be used to create the resume of all the registered students.
- College/university faculty can view and read the data of all the students in table form
- Would be helpful for sorting out students
- Will maintain the resume format of all the students .
- In college it will be used to create resume for all the students and it will be managed by their department professionals.

1.4 Team Organization

ADITYA PALIWAL: I am the backend developer in this project by using Laravel, PHP and SQL. By Creating databases for storing all the data of website and managing it properly on a server and carrying out all testing work for project and removing all the bugs and errors from project.

AMAN KHAN: I am the researcher in this project carrying out all the necessary research and analyzed it properly, according to analyzing the project, listing out all the weak sections in our work and improving them. Also, I have done a small part in designing the website.

AMAN KUMAWAT: I am the frontend developer in this project, I have done whole frontend of the project using HTML, CSS and collected all the necessary information from various websites and helped out with creating proper documentation for the project.

1.5 Report Structure

The project ***Student Information System with Resume Builder*** is primarily concerned with **WEB DEVELOPEMENT** and whole project report is categorized into five chapters.

Chapter 1: Introduction- introduces the background of the problem followed by rationale for the project undertaken. The chapter describes the objectives, scope and applications of the project. Further, the chapter
gives the details of team members and their contribution in development of project which is then subsequently ended with report outline.

Chapter 2: Review of Literature- explores the work done in the area of Project undertaken and discusses the limitations of existing system and highlights the issues and challenges of project area. The chapter finally ends up with the requirement identification for present project work based on findings drawn from reviewed literature and end user interactions.

Chapter 3: Proposed System - starts with the project proposal based on requirement identified, followed by benefits of the project. The chapter also illustrate software engineering paradigm used along with different design representation. The chapter also includes block diagram and details of major modules of the project. Chapter also gives insights of different type of feasibility study carried out for the project undertaken. Later it gives details of the different deployment requirements for the developed project.

Chapter 4: Implementation - includes the details of different Technology/ Techniques/ Tools/ Programming Languages used in developing the Project. The chapter also includes the different user interface designed in project along with their functionality. Further it discuss the experiment results along with testing of the project. The chapter ends with evaluation of project on different parameters like accuracy and efficiency.

Chapter 5: Conclusion - Concludes with objective wise analysis of results and limitation of present work which is then followed by suggestions and recommendations for furtherimprovement.

Chapter 2. Review of Literature

Review of Literature

As compared with other systems in the market, this kind of system has not been developed yet . But there are websites available for creating your resume and storing it on personal end. But this system will help colleges to easily manage the resumes and achievements of students and search for them in specific order from the sets of data.
Various systems and developed websites have been studied and analyzed according to maintain and develop a good website.

.2.1 Preliminary Investigation

A website has to be developed for managing and creating the resume, CV of the students after creating resumes the data will be stored on database server and all the resumes will be visible to faculty and HOD's so that they can see all the qualified students for placements and it will be easier to sort out the data of the students only the faculty and admin will have right for reading all the data.

2.2 Current System

- The Current System for fulfilling the need is to have a database that will store all the entered data and will be stored on server for access to faculty
- The students will have to register first on the website and then they will have the access for creating the resume and submit the information.

2.3 Requirement Identification and Analysis for Project

Significant work has been done in the field of web development; however, it is not easy to achieve desired results. The review of literature leads to draw certain major findings which are as under :

- The study brought out that this system can be used by any student and the data can be edited and managed by student itself only no role is played by faculty members[1].

- This study brought out this that system also contains resume creator online but the system is not useful in college for management purose[2].
- According to this paper after analyzing the idea invested and the work done in the project, it comes to an end that this project does not contain the database for college that was going to help for maintaining the data and sorting out the required information [3].
- This study of paper comes to a conclusion that this website is only supporting the creating of the resume and it can be downloaded later and at anytime.

2.4 Conclusion

- This chapter reviews the literature surveys that have been done during the research work. The related work that has been proposed by many researchers has been discussed. The research papers related to Resume
  Builder websites from 2012 to 2022 have been shown which discussed about different methods and algorithm to identify object

Chapter 3.Proposed System

Proposed System

3.1 The Proposal

The proposal is to deploy a system at the college level to support the placement process to solve data handling process of students

It can be used to create resume at first the students have to register at website and fill the required information which is already on webpage then given information will be stored in our database and it will generate a format of file contains information arranged in suitable manner which is resume can be saved future reference.

3.2 Benefits of the Proposed System

The current system had a lot of challenges that are overcome by this system :

- **Economic :** The proposed system is economic as there will not beany person required to keep a watch on the website
- **Man Power :** It does not require any person or their efforts
- **24 x 7 Availability :** can be accessed by at anytime
- **Statistical analysis :**The number of records of all the students can be analyzed on basis of their skills and achievements.

3.3 Feasibility Study

A feasibility study is an analysis of how successfully a system can be implemented, accounting for factors that affect it such as economic, technical and operational factors to determine its potential positive and negative outcomes before investing a considerable amount of time and money into it.

3.4 Technical

The data gets automatically saved in the database, without requiring any manual effort for saving it.

For making the system technically feasible, there is a requirement of GPU built system with high processor for better performance.

3.4.1 Economical

Since the system is completely automated, there is a need of server to be online for it to operate 24X7. Since the system uses high performance processors continuously, so to save any disaster from occurring due to very high temperatures, there is a requirement of a cooling system in the environment where it is implemented.

3.5 Deployment Requirements

There are various requirements (hardware, software and services) to successfully deploy the system. These are mentioned below :

3.5.1 Hardware

- 32-bit, x86 Processing system
- Windows 7 or later operating system
- High processing computer system without GPU or with GPU(high performance)

3.5.2 Software

1. Html, CSS, JavaScript
2. PHP, Laravel,MySql
3. Microsoft Visual Studio code
4. Xampp server

Here fig1.1 shows the the front end of the website interface

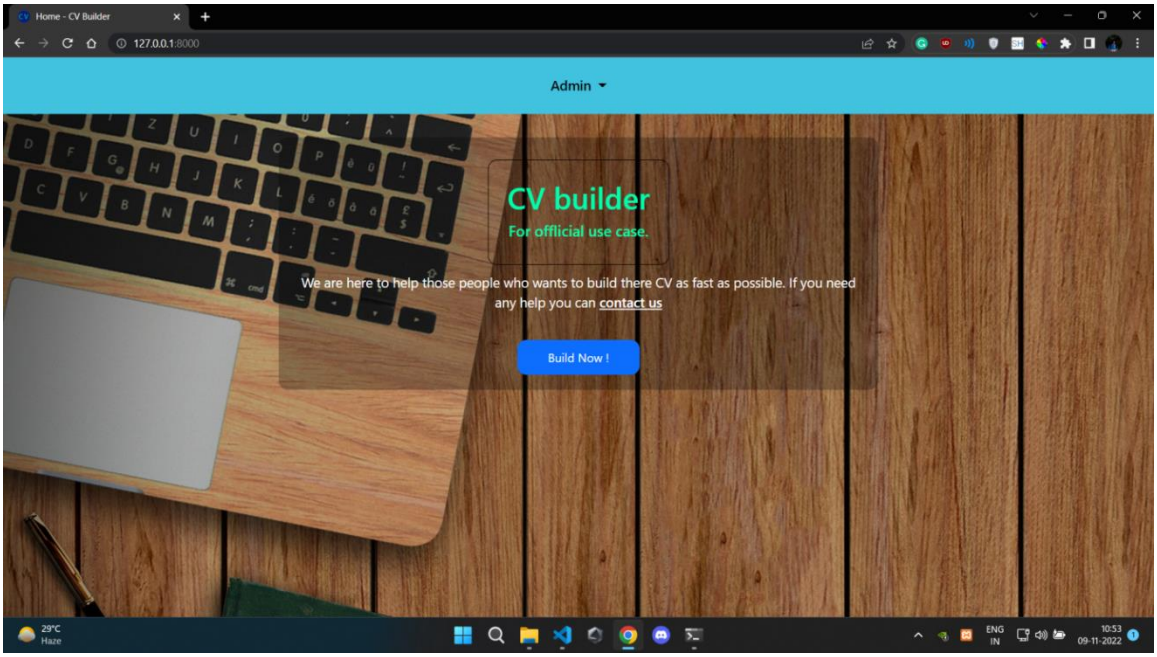


Fig 1.1

Chapter 4 . Implementation

Implementation

For the problem of irregularities occurring in data proper database in created and it will allow us to maintain the proper data management on website

4.1 Technique Used

At first a layout of website is designed that how a frontend will look and what are the functionalities of the website the webpage front end is developed using html for creating structure of the website and for adding design to them CSS is used after doing designing work the database is created using mysql and all the backend work is done using php ,laravel.

4.1.1 HTML CSS

- HTML stands for Hyper Text Markup Language
- HTML is the standard markup language for creating Web pages
- HTML describes the structure of a Web page
- HTML consists of a series of elements
- HTML elements tell the browser how to display the content

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

4.1.2 JavaScript:

JavaScript Can Change HTML Content A JavaScript function is a block of JavaScript code, that can be executed when "called" for .For example, a function can be called when an event occurs, like when the user clicks a button External scripts are practical when the same code is used in many different web pages. JavaScript files have the file extension .js.

4.2 Tools Used

- **Microsoft Visual Code**

Visual Studio Code, also commonly referred to as VS Code,] is a source-code editor made by Microsoft with the Electron Framework, for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. Users can change the theme, keyboard shortcuts, preferences, and install extensions that add additional functionality

Visual Studio Code is a lightweight but powerful source code editor which runs on your desktop and is available for Windows, mac OS and Linux. It comes with built-in support for JavaScript, TypeScript and Node.js and has a rich ecosystem of extensions for other languages and runtimes (such as C++, C#, Java, Python, PHP, Go, .NET)

- **XAMPP**

XAMPP is the most popular PHP development environment
XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use.

4.3 Language Used

- **Html**

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript. Web browsers receive HTML documents from a web server or from local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes, and other items. HTML elements are delineated by tags, written using angle

- **CSS**

Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML (including XML dialects such as SVG, MathML or XHTML).[1] CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.[2]CSS is designed to enable the separation of content and presentation, including layout, colors, and fonts. This separation can improve content accessibility; provide more flexibility and control in the specification of presentation characteristics; enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, which reduces complexity and repetition in the structural content; and enable the .css file to be cached to improve the page load speed between the pages that share the file and its formatting.

•PHP

PHP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer RasmusLerdorf in 1993 and released in 1995. The PHP reference implementation is now produced by The PHP Group.PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Preprocessor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code – which may be any type of data, such as generated HTML or binary image data – would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response

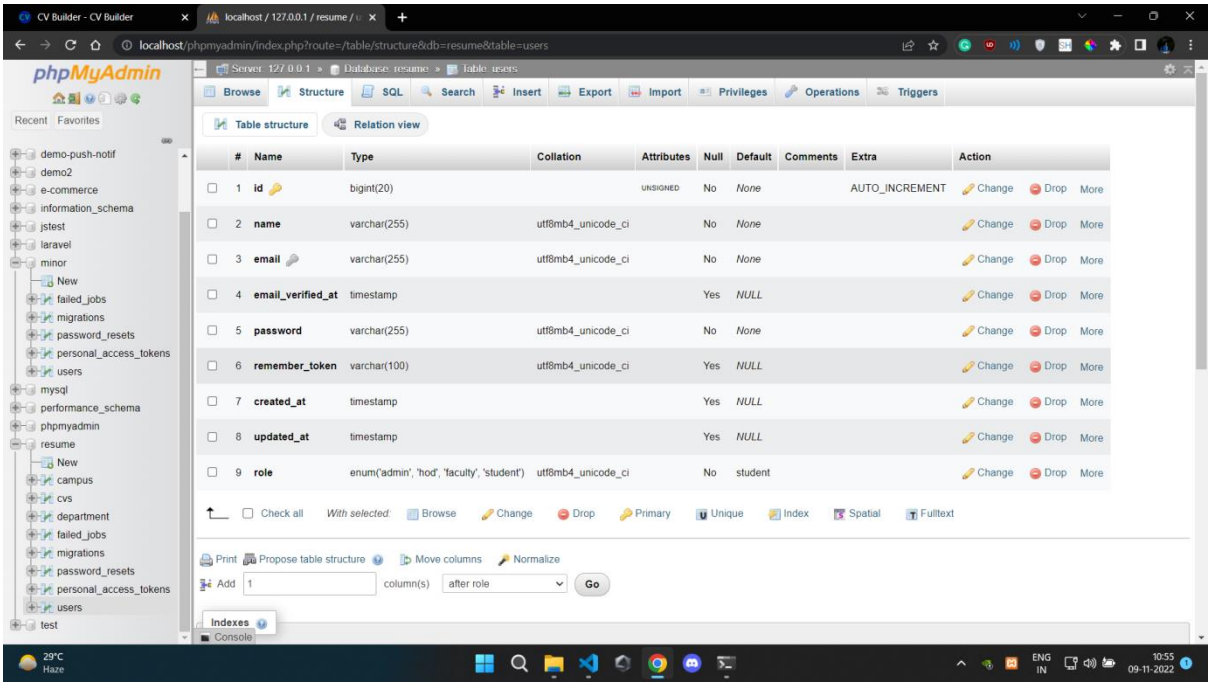


Fig1.2

- **Laravel**

Laravel is a free and open-source PHP web framework, created by Taylor Otwell and intended for the development of web applications following the model–view–controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar

4.4 Screenshots

The Following are the screenshots of the result of the project :

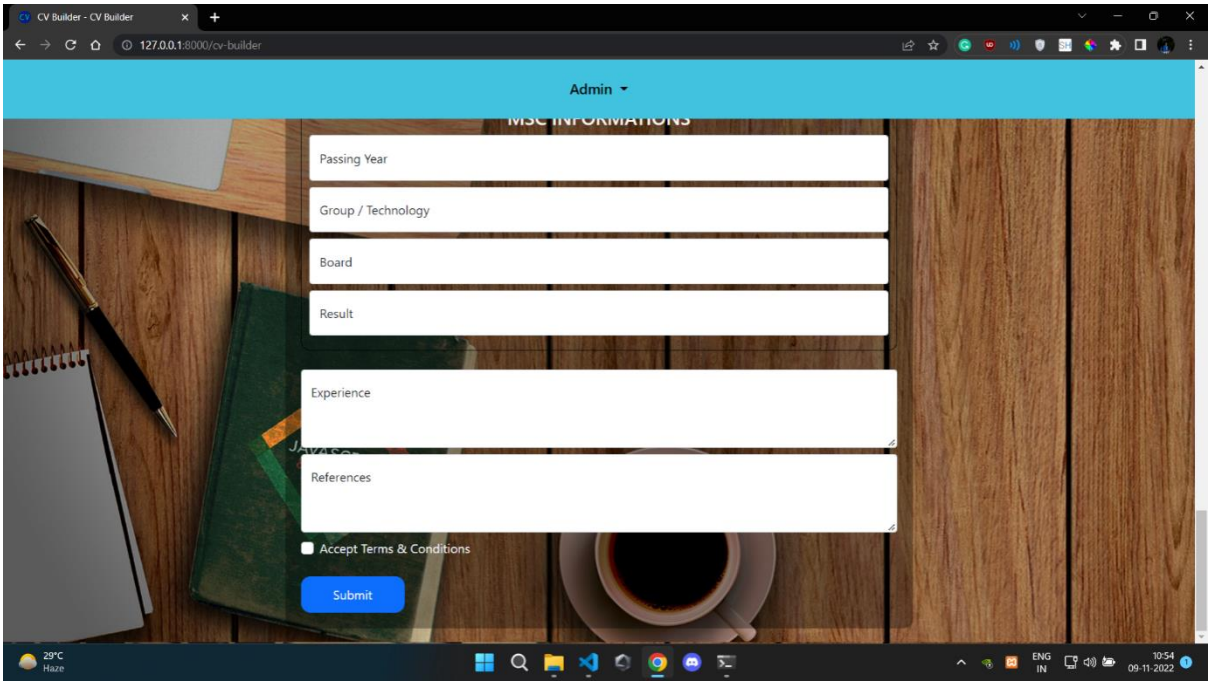


Fig 1.3

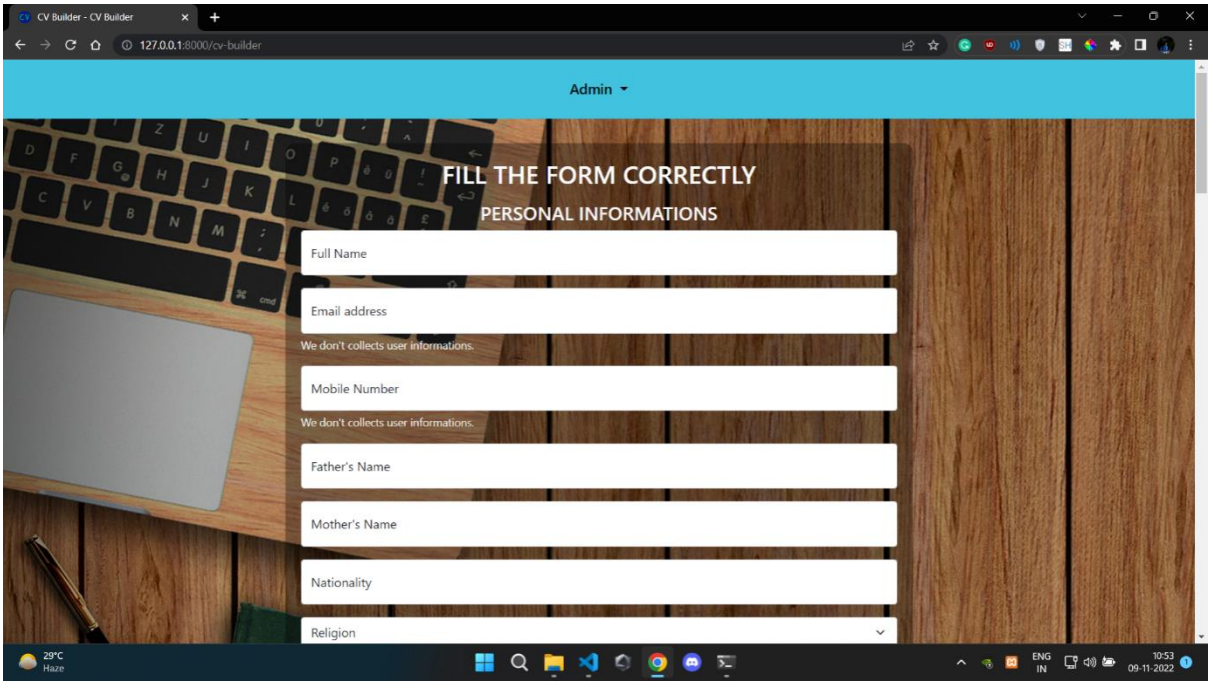


Fig1.4

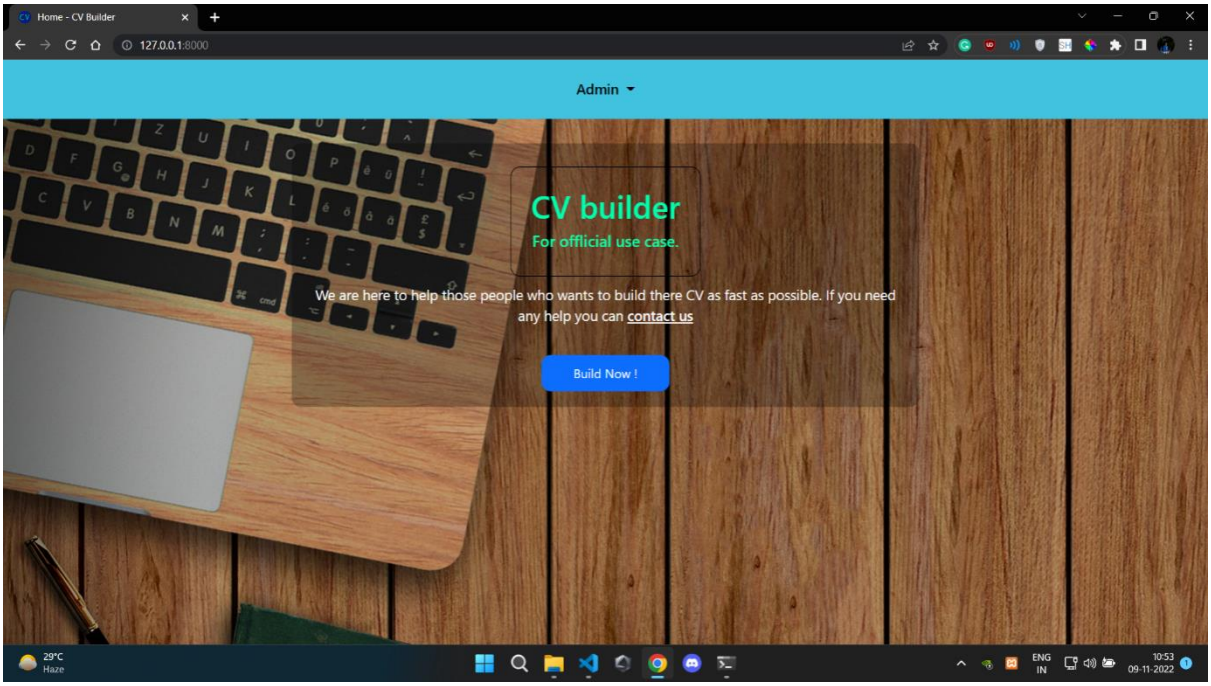

Home - CV Builder
127.0.0.1:8000
Admin
CV builder
For offlicial use case.
We are here to help those people who wants to build there CV as fast as possible. If you need any help you can contact us
Build Now !

Fig1.5

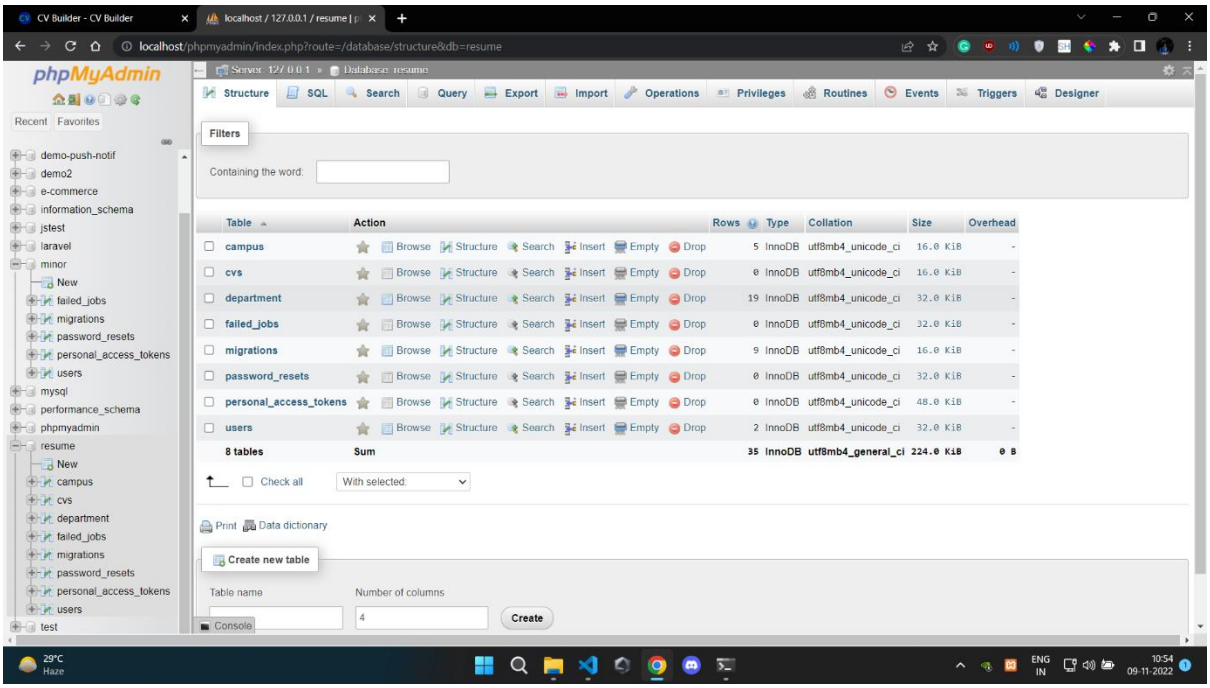
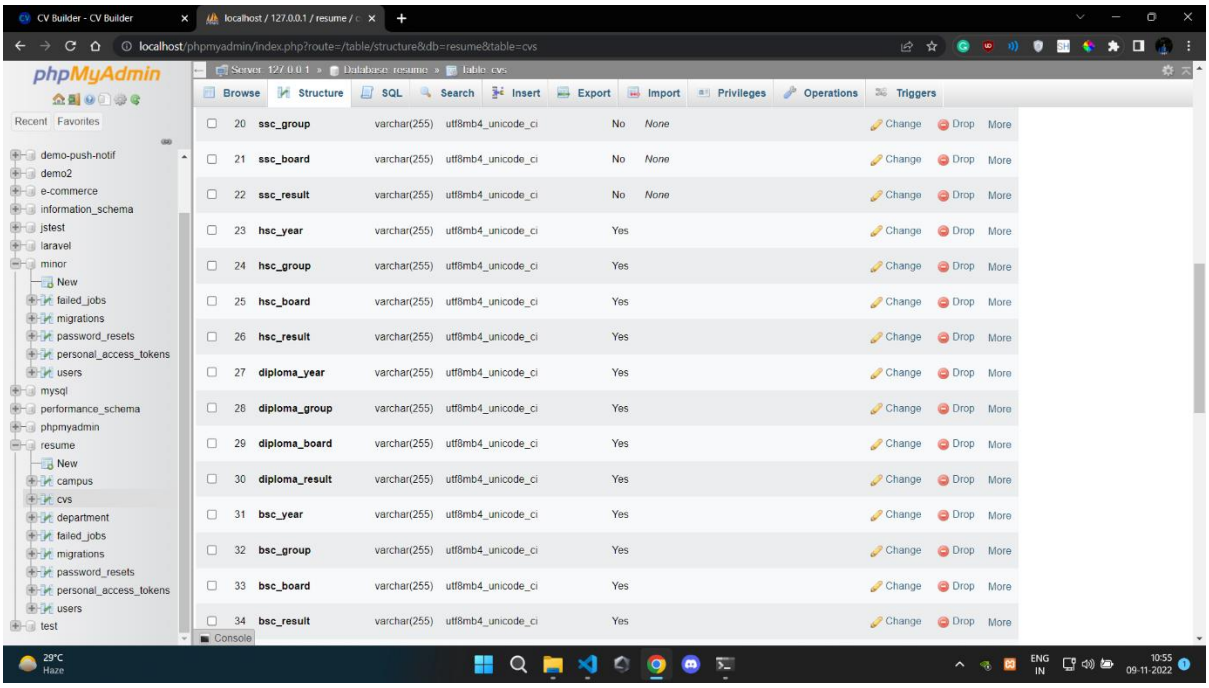

CV Builder - CV Builder
localhost / 127.0.0.1 / resume
localhost/phpmyadmin/index.php?route=/database/structure&db=resume
phpMyAdmin
Structure
SQL
Search
Query
Export
Import
Operations
Privileges
Routines
Events
Triggers
Designer
Filters
Containing the word:
Table
Action
Rows
Type
Collation
Size
Overhead
campus
cvs
department
failed_jobs
migrations
password_resets
personal_access_tokens
users
8 tables
Sum
Check all
With selected:
Print
Data dictionary
Create new table
Table name
Number of columns
Create
Console

Fig1.6


CV Builder - CV Builder
localhost / 127.0.0.1 / resume /
localhost/phpmyadmin/index.php?route=/table/structure&db=resume&table=cvs
phpMyAdmin
Recent Favorites
demo-push-notif
demo2
e-commerce
information_schema
jstest
laravel
minor
New
failed_jobs
migrations
password_resets
personal_access_tokens
users
mysql
performance_schema
phpmyadmin
resume
New
campus
cvs
department
failed_jobs
migrations
password_resets
personal_access_tokens
users
test
Server: 127.0.0.1 » Database: resume » Table: cvs
Browse Structure SQL Search Insert Export Import Privileges Operations Triggers
20 ssc_group varchar(255) utf8mb4_unicode_ci No None Change Drop More
21 ssc_board varchar(255) utf8mb4_unicode_ci No None Change Drop More
22 ssc_result varchar(255) utf8mb4_unicode_ci No None Change Drop More
23 hsc_year varchar(255) utf8mb4_unicode_ci Yes Change Drop More
24 hsc_group varchar(255) utf8mb4_unicode_ci Yes Change Drop More
25 hsc_board varchar(255) utf8mb4_unicode_ci Yes Change Drop More
26 hsc_result varchar(255) utf8mb4_unicode_ci Yes Change Drop More
27 diploma_year varchar(255) utf8mb4_unicode_ci Yes Change Drop More
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34 bsc_result varchar(255) utf8mb4_unicode_ci Yes Change Drop More
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Fig1.7

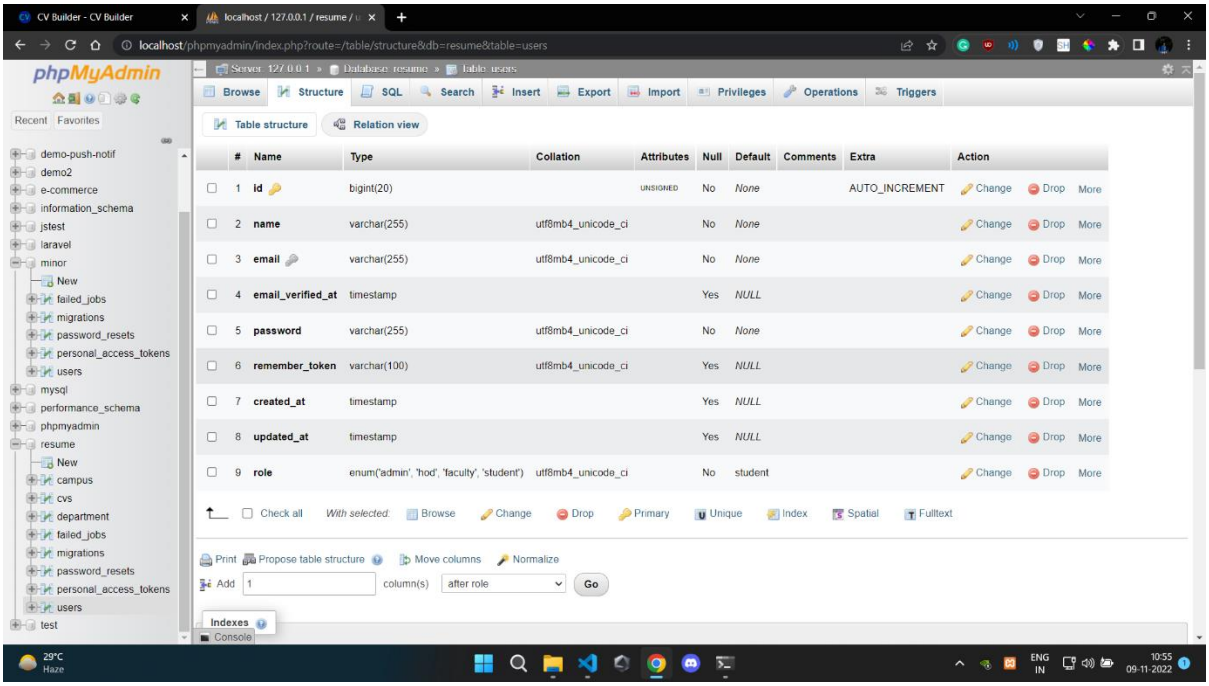
CV Builder - CV Builder
localhost / 127.0.0.1 / resume /
localhost/phpmyadmin/index.php?route=/table/structure&db=resume&table=users
phpMyAdmin
Recent Favorites
demo-push-notif
demo2
e-commerce
information_schema
jstest
laravel
minor
New
failed_jobs
migrations
password_resets
personal_access_tokens
users
mysql
performance_schema
phpmyadmin
resume
New
campus
cvs
department
failed_jobs
migrations
password_resets
personal_access_tokens
users
test
Server: 127.0.0.1 » Database: resume » Table: users
Browse Structure SQL Search Insert Export Import Privileges Operations Triggers
Table structure Relation view
Name Type Collation Attributes Null Default Comments Extra Action
1 id bigint(20) UNSIGNED No None AUTO_INCREMENT Change Drop More
2 name varchar(255) utf8mb4_unicode_ci No None Change Drop More
3 email varchar(255) utf8mb4_unicode_ci No None Change Drop More
4 email_verified_at timestamp Yes NULL Change Drop More
5 password varchar(255) utf8mb4_unicode_ci No None Change Drop More
6 remember_token varchar(100) utf8mb4_unicode_ci Yes NULL Change Drop More
7 created_at timestamp Yes NULL Change Drop More
8 updated_at timestamp Yes NULL Change Drop More
9 role enum('admin', 'hod', 'faculty', 'student') utf8mb4_unicode_ci No student Change Drop More
Check all With selected: Browse Change Drop Primary Unique Index Spatial Fulltext
Print Propose table structure Move columns Normalize
Add 1 column(s) after role Go
Indexes
Console
29°C Haze
ENG IN
10:55 09-11-2022

Fig1.8

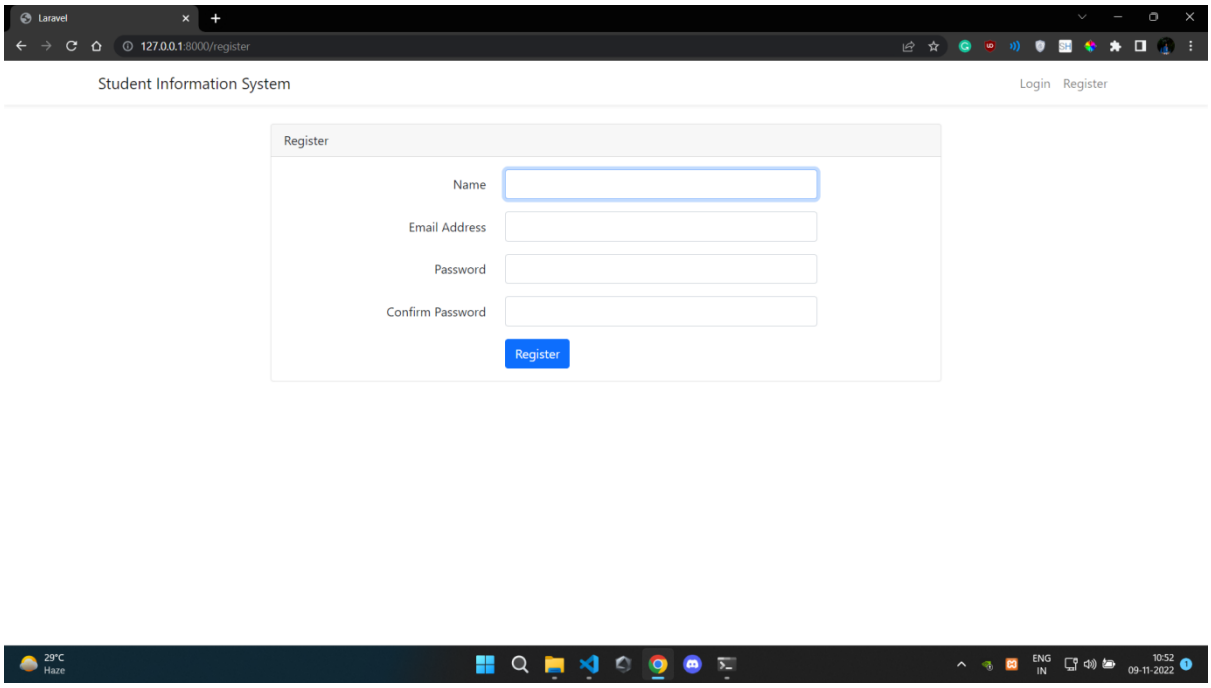
Laravel
127.0.0.1:8000/register
Student Information System
Login
Register
Register
Name
Email Address
Password
Confirm Password
Register
29°C
Haze
ENG
IN
10:52
09-11-2022

Fig1.9

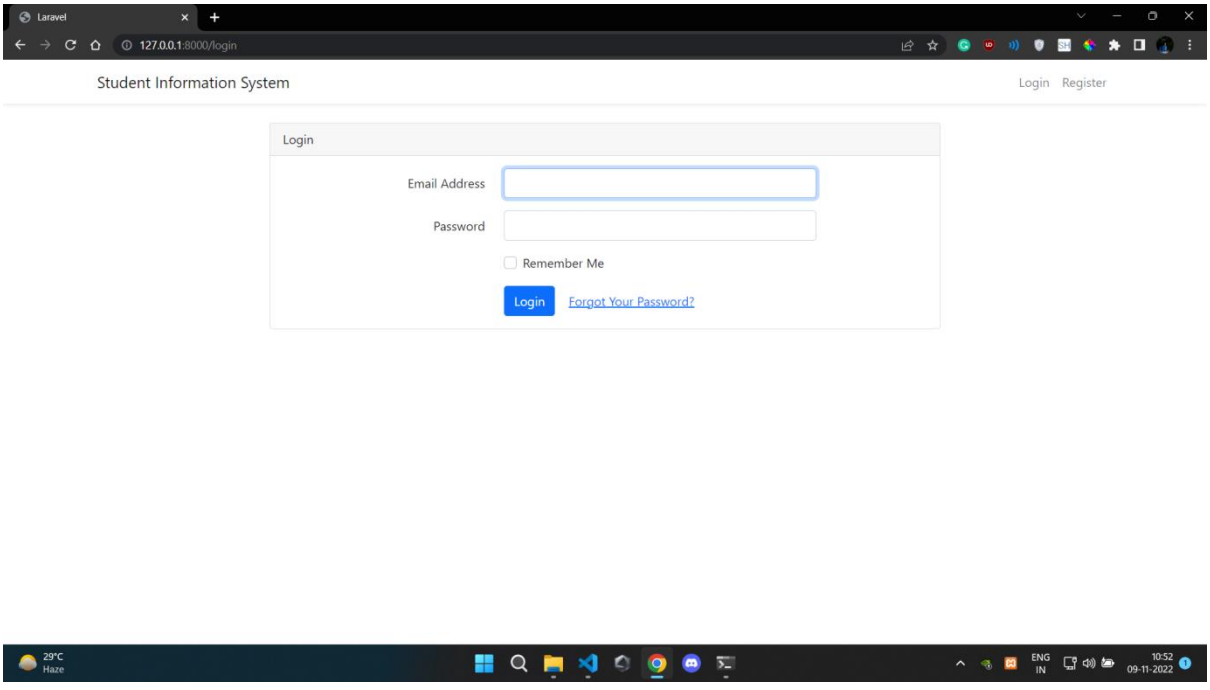
Laravel
127.0.0.1:8000/login
Student Information System
Login
Register
Login
Email Address
Password
Remember Me
Login
Forgot Your Password?
29°C
Haze
ENG
IN
10:52
09-11-2022

Fig 2

4.5 Testing

Testing is the process of evaluation of a system to detect differences between given input and expected output and also to assess the feature of the system. Testing assesses the quality of the product. It is a process that is done during the development process. .

4.5.1 Strategy Used

Tests can be conducted based on two approaches –

- Functionality testing
- Implementation testing

The texting method used here is Black Box Testing. It is carried out to test functionality of the program. It is also called 'Behavioral' testing. The tester in this case, has a set of input values and respective desired results. On providing input, if the output matches with the desired results, the program is tested 'ok', and problematic otherwise.

4.5.2 Test Case and Analysis

TEST CASE 1

Test Case ID	TC001
Test Case Summary	It will check whether the system stores the data successfully or not
Test Procedure	Enter the details in Registration and Login section
Expected Result	The information entered should be stored in database And can be seen in admin section
Actual Result	Actual results were 100%
Status	Pass

Table1.1

Output

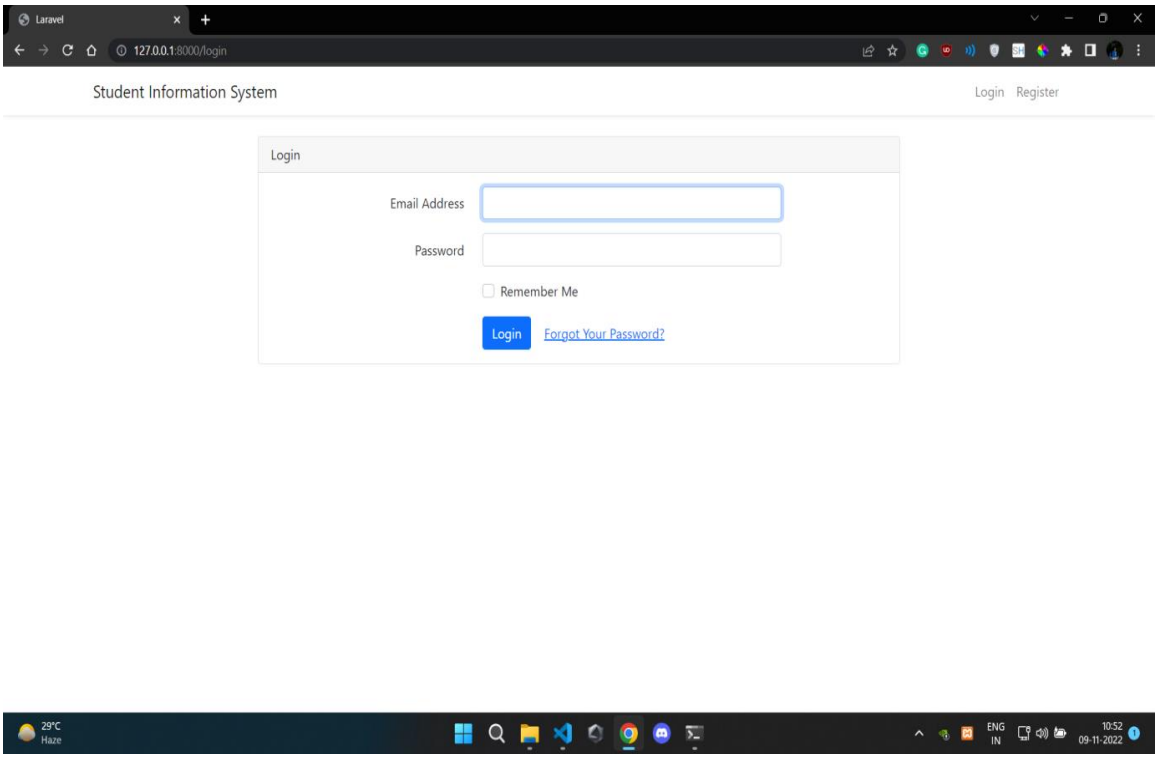

Fig2.1

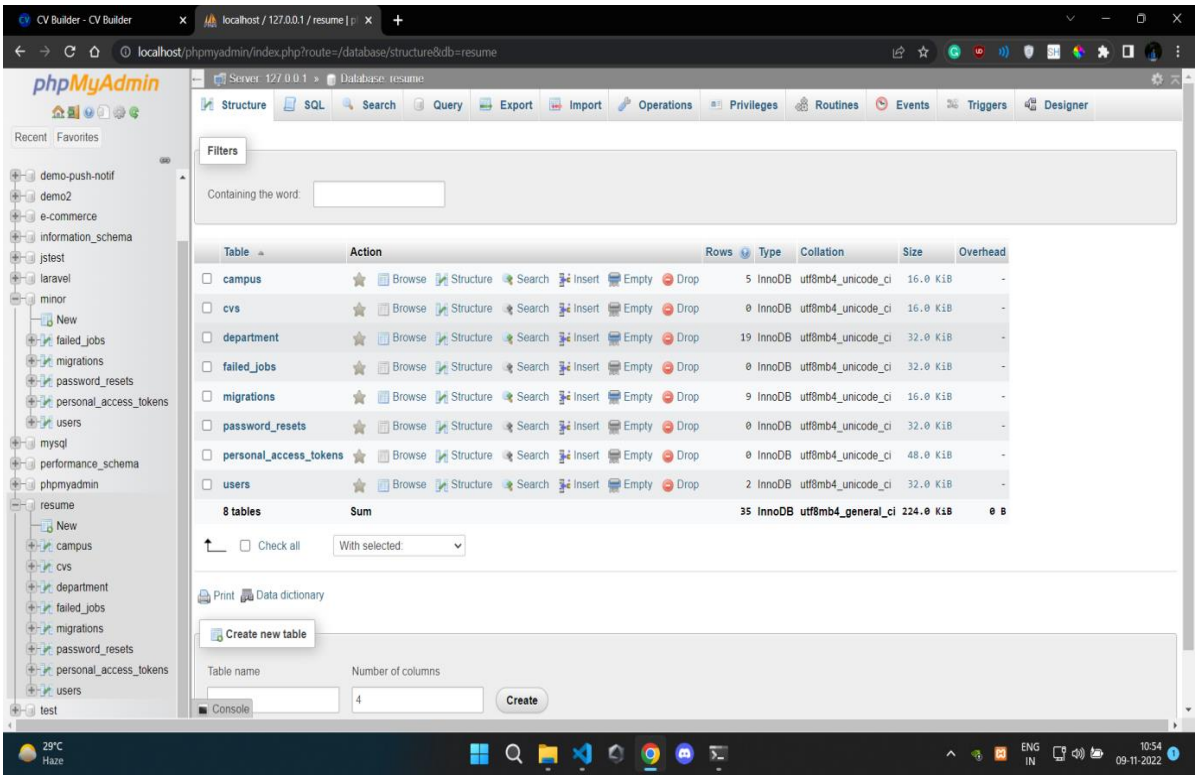

Fig2.2

Test Case 2

Test Case ID	TC002
Test Case Summary	It will check whether the data stored have access to Admin and HOD's panel ,faculty panel
Test Procedure	Login to admin panel and see the information is available or not
Expected Result	The data was successfully stored in database
Actual Result	Results were 100%
Status	Pass

Table1.2

Output

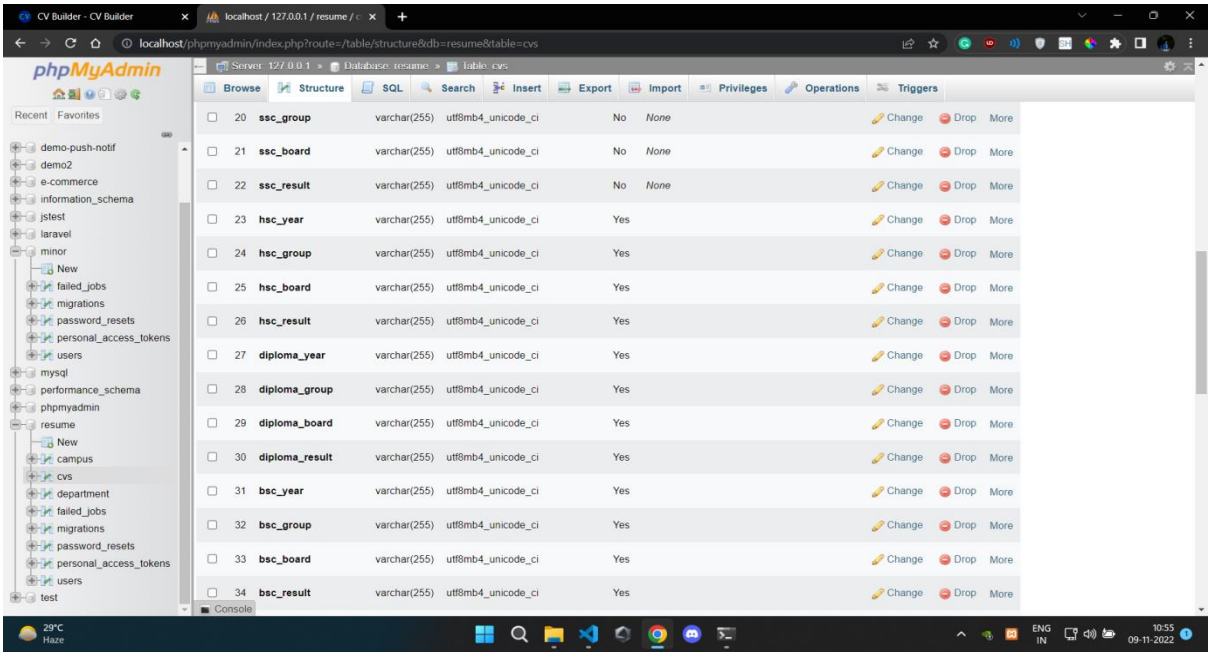

Fig2.3

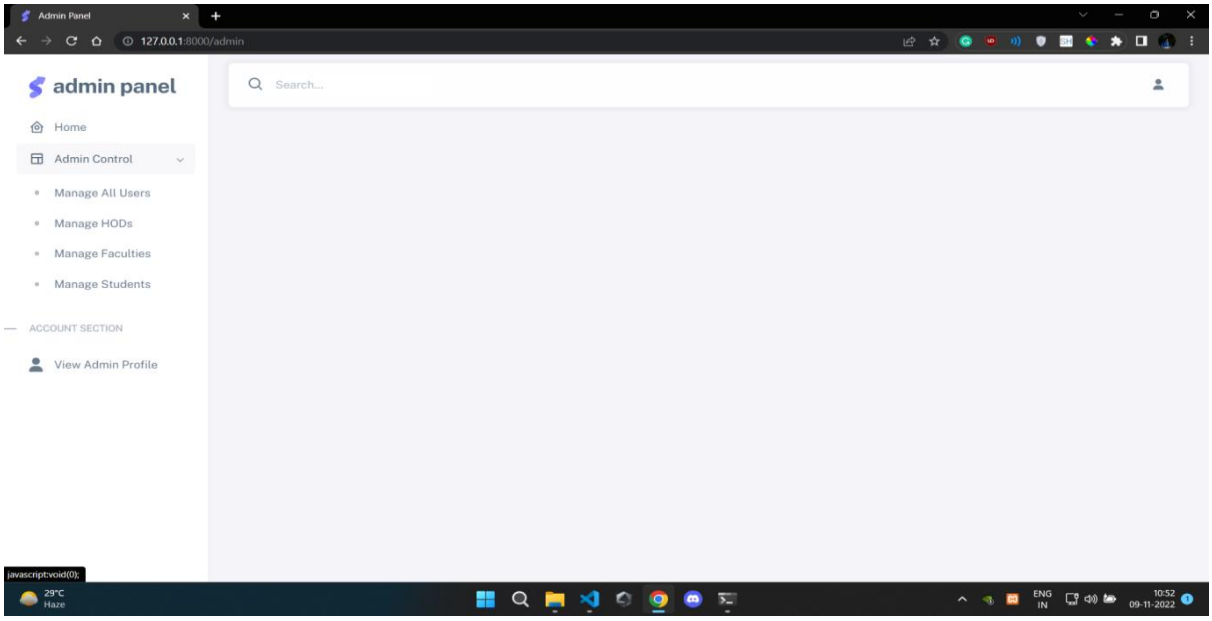
Admin Panel
127.0.0.1:8000/admin
admin panel
Search...
Home
Admin Control
Manage All Users
Manage HODs
Manage Faculties
Manage Students
ACCOUNT SECTION
View Admin Profile
javascript:void(0);
29°C
Haze
ENG
IN
10:52
09-11-2022

Fig2.4

Chapter 5.Conclusion

Conclusion

5.1 Conclusion

The aim of the project was to create a platform for maintaining and creating the resumes of all the students now all the requirements have been fulfilled on the website

The work done manually can now be completely replaced by this automated system and it can reduce all the extra efforts of maintain the records.

This is how the Frontend Looks of the website and for new users first they have to register to our webpage and after successful registration they have to login to our page and then they have to enter the credentials and fill the details form after that process the information will be stored in database and the information filled by candidate will be send to him in pdf file format that is downloadable to students the students will not have access to view all students data. Now this thing will help in maintaining the format of document and it can be seen from HOD's and faculty panel they can view the students details and using a search bar they can search the students with available filters and that will make easy for them to sort out the candidates to apply for job and in the new update sms service will be provided to update the student about any new updates and any alerts.A successful testing has been done on account of the following data and it has passed all the testing the images you are seeing are the front page of the website and next image is the details filling form that will used to fill the data and create a resume.

5.2 Suggestion and Recommendations for Future Work

- The Model would be trained for managing all the dataon website
- SmS service will be integrated in this project for alert notification for new updates and selected candidate

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Github Link of Project - https://github.com/paliwaladitya2/Student-CRUD-with-CV-Builder