

Design and Implementation of CV Drop System

by

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Supervised by
Arifur Rahaman

Submitted in partial fulfillment of the requirements for the degree of
Bachelor of Science in Computer Science and Engineering



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SONARGAON UNIVERSITY (SU)

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APPROVAL

The project titled “ **Design and Implementation of CV Drop System** ” submitted by Shakil Haider Rony (CSE1903018136), Shakil Ahmed (CSE190301107) and Rajan Chandra Shil (CSE1903018143) to the Department of Computer Science and Engineering, Sonargaon University (SU), has been accepted as satisfactory for the partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents.

Board of Examiners

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Assistant Professor and Co-ordinator,
Department of Computer Science and Engineering
Sonargaon University (SU)

Supervisor

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Department of Computer Science and Engineering
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Examiner 1

(Examiner Name and Signature)

Department of Computer Science and Engineering
Sonargaon University (SU)

Examiner 2

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Sonargaon University (SU)

Examiner 3

DECLARATION

We, hereby, declare that the work presented in this report is the outcome of the investigation performed by us under the supervision of **Arifur Rahaman, Assistant Professor and Co-ordinator**, Department of Computer Science and Engineering, Sonargaon University, Dhaka, Bangladesh. We reaffirm that no part of this project has been or is being submitted elsewhere for the award of any degree or diploma.

Countersigned

Signature

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ABSTRACT

In the past, job seekers in Bangladesh would typically apply for job vacancies by physically dropping off their CVs or resumes at the company's office. They could also submit their CVs via postal mail or through email, depending on the preferences of the hiring organization. With the advantage of technology, the CV dropping system has undergone significant changes. Job applicants in Bangladesh have increasingly shifted towards digital platforms and online job portals to submit their CVs. This project involved the development of a job application website for Sonargaon University, aimed at connecting job seekers with potential employers. The website was designed using HTML, CSS, and JavaScript for the front-end, and PHP for the back-end. The website allows users to submit their CVs for job applications, and provides employers with a platform to post job openings and search for qualified candidates. The website features a user-friendly interface, with intuitive form inputs and clear submission guidelines. The outcomes of the project were positive, with successful job applications submitted through the website, and plans for future enhancements to expand its functionality and better serve the needs of qualified employers.

ACKNOWLEDGMENT

At the very beginning, we would like to express my deepest gratitude to the Almighty Allah for giving us the ability and the strength to finish the task successfully within the schedule time.

We are auspicious that we had the kind association as well as supervision of **Arifur Rahaman**, Assistant Professor and Co-ordinator, Department of Computer Science and Engineering, Sonargaon University whose hearted and valuable support with best concern and direction acted as necessary recourse to carry out our project.

We would like to convey our special gratitude to **Bulbul Ahamed**, Associate Professor and Head, Department of Computer Science and Engineering, for his kind concern and precious suggestions.

We are also thankful to all our teachers during our whole education, for exposing us to the beauty of learning.

Finally, our deepest gratitude and love to my parents for their support, encouragement, and endless love.

LIST OF ABBREVIATIONS

CSS	Cascading Style Sheets
CV	Curriculum Vitae
DFD	Data Flow Diagram
GUI	Graphical User interface
HTML	Hyper Text Markup Language
HTTP	Hyper Text Transfer Protocol
ID	Identification
PHP	Hypertext Preprocessor
SQL	Structured Query Language
UI	User Interface

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CHAPTER 1

INTRODUCTION TO DESIGN AND IMPLEMENTATION OF CV DROP SYSTEM

1.1 Introduction

The job market today is highly competitive, with many qualified candidates for the same positions. In this environment, job seekers need every advantage they can get to stand out from the crowd. One way to do this is by submitting a well-crafted and professional-looking resume or CV. However, finding the right job and submitting a CV can be a ghastly task for many people, especially those who are new to the job market.

To address this challenge, we have developed a web-based platform that allows applicants to easily submit their CV and connect with potential employers. Our platform is specifically designed for Sonargaon University students and alumni, providing them with a centralized hub for finding job opportunities and showcasing their qualifications. With our platform, job seekers can create a profile, upload their CV, and browse job listings from a variety of industries.

Overall, our platform aims to streamline the job search process for both job seekers and employers, helping to bridge the gap between talent and opportunity.

1.2 Objectives

To achieve our goal, we have identified the following objectives:

1. Design and develop a user-friendly and attractive website that allows job seekers to create profiles, submit their CVs, and search for job opportunities posted by employers.
2. Develop a job posting system that allows employers to create and manage job postings, search for qualified candidates, and receive and review applications.
3. Implement a secure authentication and authorization system that ensures user data is protected and accessible only by authorized users.
4. Provide a platform for communication between job seekers and employers through email notifications and messaging systems.
5. Test and debug the website thoroughly to ensure it is functional, reliable, and accessible to all users.
6. Document the development process and provide training and support materials for future maintenance and updates of the website.

By achieving these objectives, we aim to create a job application website that will benefit Sonargaon University students and alumni, as well as employers looking to hire qualified candidates.

1.3 Significance and Impact

1.3.1 Introduction

↓
NEW PAGE

The job application website developed for Sonargaon University carries significant significance and has the potential for a wide-ranging impact. By creating a dedicated platform for job seekers and employers, the project addresses critical challenges in the job market and aims to transform the way individuals find employment opportunities. The following points outline the significance and impact of the project:

1.3.2 Addressing Job Market Challenges.

The project addresses the challenges faced by applicants, such as limited access to job listings, inefficient application processes, and difficulty in showcasing qualifications. By providing a centralized platform, it simplifies the job search process, enhances accessibility to opportunities, and bridges the gap between job seekers and employers.

1.3.3 Streamlining Recruitment Processes:

For employers, the project streamlines the recruitment process by providing a platform to manage job applications, review candidate profiles, and facilitate communication. It saves time and effort by consolidating applicant information, enabling employers to efficiently shortlist and evaluate candidates, ultimately leading to improved hiring decisions.

1.3.4 Bridging the Gap between Job Candidates and Employers:

Our job application website acts as a bridge between job seekers and employers. It enables job seekers to directly connect with potential employers, showcasing their skills, qualifications, and experiences in a professional manner. Simultaneously, employers gain access to a pool of talented individuals from within the Sonargaon University community, making the recruitment process more efficient and effective.

1.3.5 Driving Economic Growth:

A robust job market drives economic growth by increasing employment rates, stimulating innovation, and contributing to the overall prosperity of the region. The project's impact extends beyond the individual level, positively influencing the local economy by connecting job seekers with employment opportunities and fostering talent development within the Sonargaon University community.

1.4 Goals

The goal of this project is to develop a job application website for Sonargaon University that provides a platform for job applicant to find job opportunities and apply for positions, and for employers to search for qualified candidates and manage their job postings and applications. The website will be user-friendly, accessible, and secure, and will facilitate communication between applicants and employers. The goals of our project can be summarized as follows:

1.4.1 Develop a User-Friendly Job Application Platform:

The primary goal is to create a user-friendly job application platform that provides a seamless and intuitive experience for job seekers. The platform should be easy to

navigate, with clear instructions and a well-designed interface that allows users to effortlessly search and apply for job opportunities.

1.4.2 Centralize Job Listings:

The project aims to centralize job listings from various sources, making it convenient for job seekers to access a wide range of employment opportunities in one place. By aggregating job postings, the platform becomes a valuable resource for individuals seeking employment within the Sonargaon University community.

1.4.3 Simplify the Job Application Process:

The project aims to simplify and streamline the job application process. It should allow job seekers to easily submit their CVs, cover letters, and other necessary documents to potential employers. By reducing the complexity and time-consuming aspects of the application process, the platform enhances efficiency and improves the overall user experience.

1.4.4 Facilitate Communication between Job Candidates and Employers:

The goal is to facilitate effective communication and interaction between job seekers and employers. The platform should provide features that allow employers to engage with applicants, such as sending notifications, scheduling interviews, and providing updates on the application status. This fosters transparency and improves the overall recruitment process.

1.4.5 Increase Job Placement Success:

The project aims to increase job placement success for Sonargaon University students and alumni. By providing a platform dedicated to their specific needs, it enhances their chances of securing relevant employment opportunities. This goal focuses on connecting qualified candidates with suitable job openings and facilitating successful job placements.

CHAPTER 2

BACKGROUND AND MOTIVATION

2.1 Introduction

In today's rapidly evolving job market, the process of finding suitable employment has become increasingly challenging. Job seekers often encounter numerous obstacles in their quest for career opportunities, including limited access to job listings, difficulty in showcasing their qualifications effectively, and the lack of streamlined application processes. These challenges can lead to frustration and missed opportunities for both job seekers and employers.

Recognizing the need for a solution that addresses these pain points, we embarked on the development of a job application website for Sonargaon University. The website aims to provide a comprehensive platform where job seekers can easily connect with potential employers, and employers can efficiently access a pool of qualified candidates.

2.2 Background

Sonargaon University is a growing institution that is committed to providing high-quality education and training to students in Bangladesh. As part of its mission to prepare students for successful careers, the university recognizes the importance of connecting them with potential employers. To that end, the university has identified the need for a job application website that will make it easier for students and alumni to find job opportunities and apply for positions.

2.3 Motivation

The motivation behind this project is to develop a job application website for Sonargaon University that will provide a platform for job seekers to connect with potential employers. The website will allow users to create a profile, submit their CVs, and search for job opportunities posted by employers. Additionally, the website will allow employers to create job postings, search for qualified candidates, and manage their job postings and applications. By developing this website, we aim to improve the job application process for Sonargaon University students and alumni, as well as make it easier for employers to find qualified candidates for their positions.

2.4 Technologies used to Design and Implementation

The design and implementation of this website involved the utilization of various technologies to create a functional and user-friendly platform. The technologies used can be categorized into front-end and back-end technologies.

Front-end Technologies:

1. HTML (Hypertext Markup Language): Used to structure the content and elements of the web pages.
2. CSS (Cascading Style Sheets): Employed to define the visual styling and layout of the web pages.

3. JavaScript: Utilized to add interactivity and dynamic functionality to the website, such as form validation and user interactions.
4. Bootstrap: A popular front-end framework that provided a responsive grid system, pre-styled components, and a mobile-first approach, enhancing the overall design and responsiveness of the website.

Back-end Technologies:

1. PHP (Hypertext Preprocessor): The primary server-side scripting language used to handle dynamic content generation, database interactions, and form submissions.
2. MySQL: A relational database management system used for storing and managing data related to job listings, user profiles, and job applications.

These technologies were integrated to create an excellent user experience, allowing candidates to easily submit their CVs, employers to manage job applications, and the system to store and retrieve relevant data. The combination of front-end and back-end technologies ensures a visually appealing and interactive website that is capable of handling the required functionality[1].

CHAPTER 3

DESIGN AND IMPLEMENTATION

3.1 User Interface Design

The user interface design of the job application website was an important consideration in the design and implementation of the website. A user friendly front-end for the user to move with the system[5].We aimed to create an intuitive, user-friendly interface that would make it easy for applicant to search for job opportunities and apply for positions, and for employers to manage their job postings and applications.

We started by conducting research on best practices for UI design and analyzed the websites of leading job search platforms to identify common design patterns and features. Based on this research, we created a wireframe design that provided a basic layout of the website, including the home page, job search page, job posting page, and user profile page.

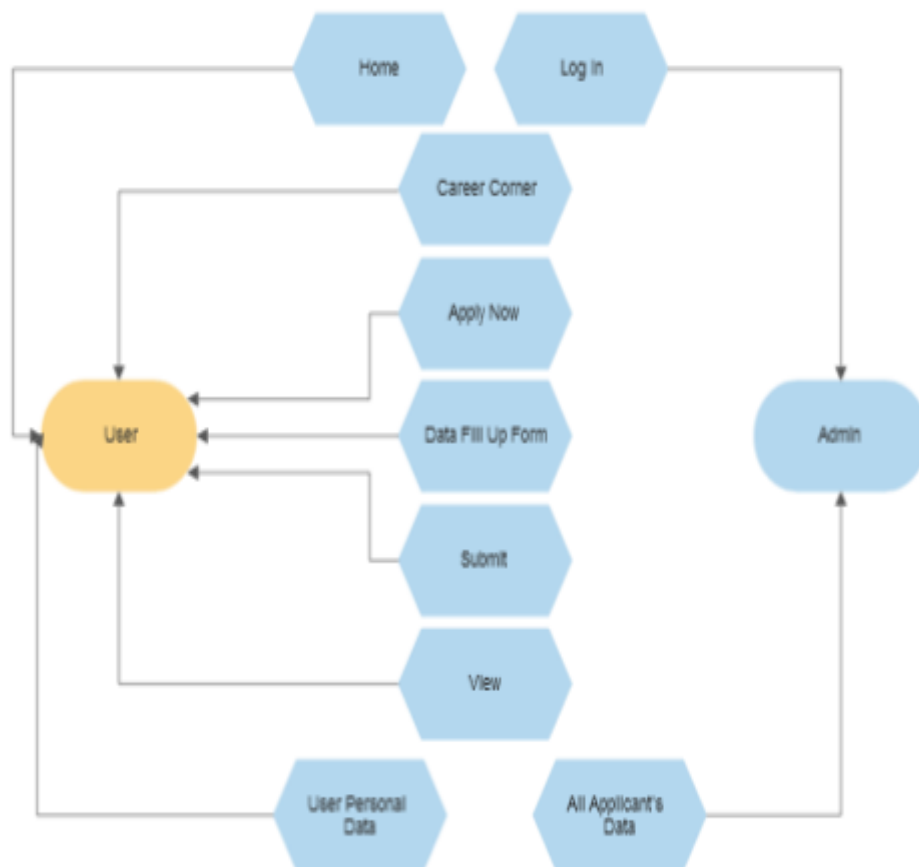
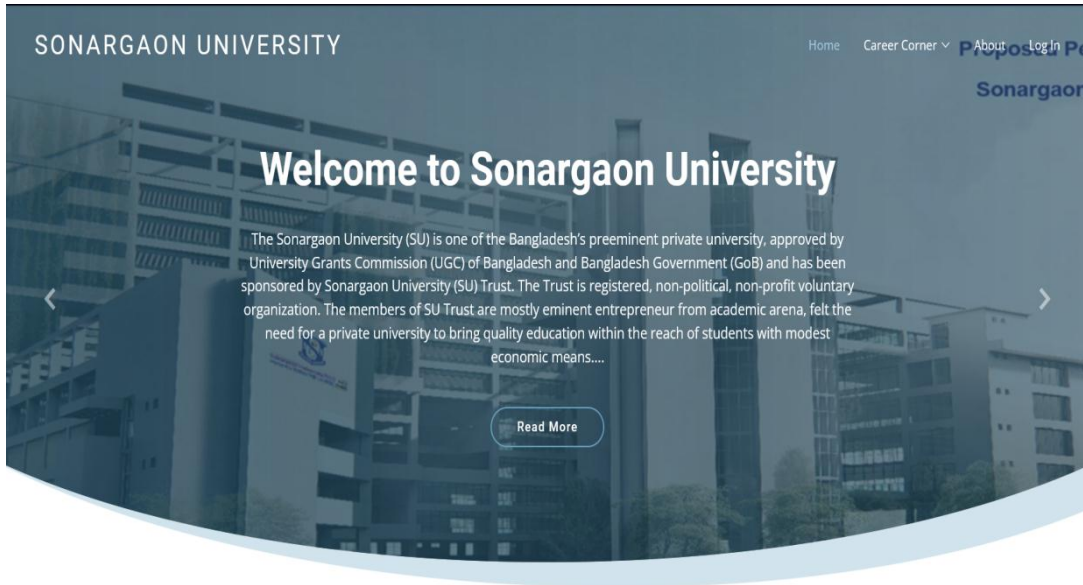


Fig.3.1: Diagram of user interface



We are Hiring! some lacturers for our University. The candidate must possess a GPA of minimum 4.00 (in the scale of 5.00) or equivalent in SSC, HSC or equivalent examinations. Are you excited to join with ous? please click the "Apply Now" button.

[Apply Now](#)

Fig.3.2: Header portion user web view

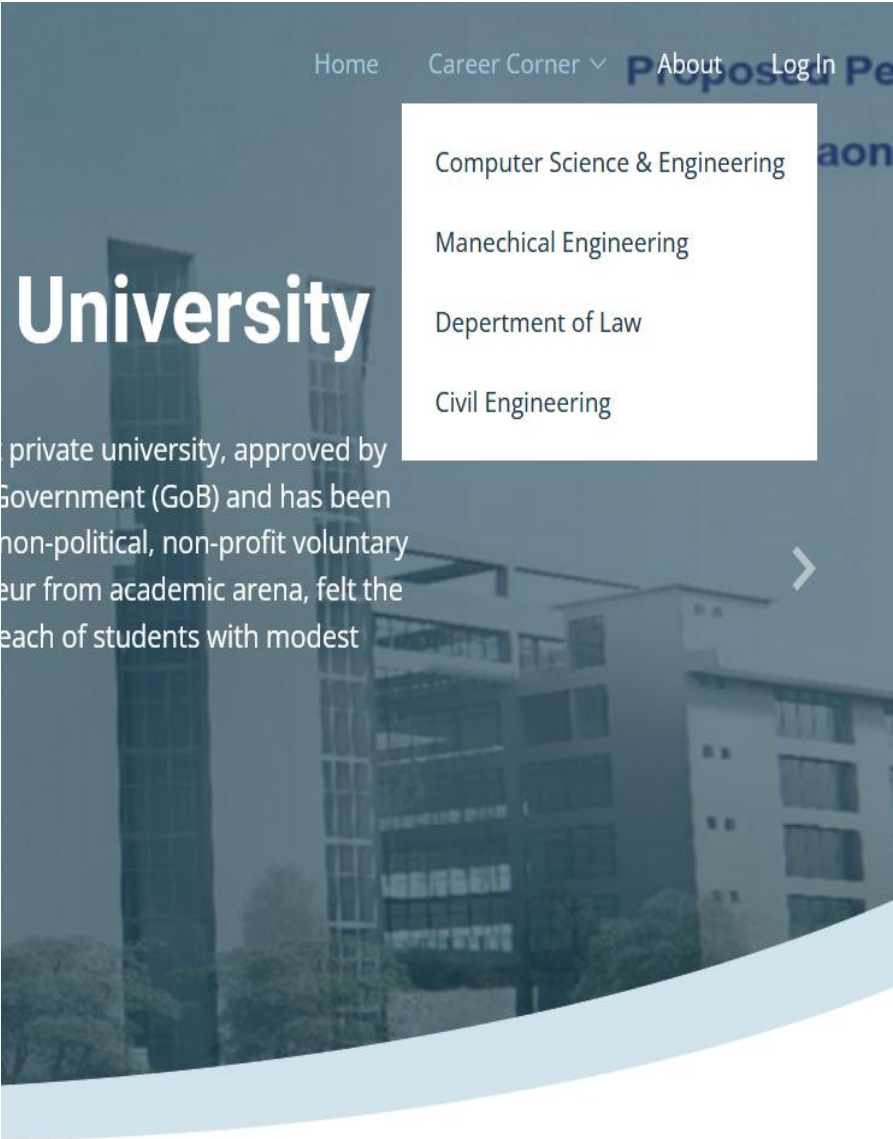


Fig.3.3: Career Corner user web view

```
</head>
<body>
  <!-- ===== Header ===== -->
  <header id="header" class="fixed-top d-flex align-items-center header-transparent">
    <div class="container d-flex justify-content-between align-items-center">
      <div class="logo">
        <h1 class="text-light"><a href="index.html">SONARGAON UNIVERSITY</a></h1>
        <!-- Uncomment below if you prefer to use an image Logo -->
        <!-- <a href="index.html"></a-->
      </div>
      <nav id="navbar" class="navbar">
        <ul>
          <li><a class="active" href="{{ route('index') }}">Home</a></li>
          <li class="dropdown"><a href="#"><span>Career Corner</span> <i class="bi
          bi-chevron-down"></i></a>
            <ul>
              <li><a href="{{ route('computer') }}">Computer Science & Engineering</
              a></li>
              <li><a href="#">Mechanical Engineering</a></li>
              <li><a href="#">Department of Law</a></li>
              <li><a href="#">Civil Engineering</a></li>
            </ul>
          </li>
          <li><a href="about.html">About</a></li>
          <li><a href="#">All Data</a></li>
        </ul>
        <i class="bi bi-list mobile-nav-toggle"></i>
      </nav><!-- .navbar -->
    </div>
  </header><!-- End Header -->
  <!-- ===== Hero Section ===== -->
```

Fig.3.4: Code for header section

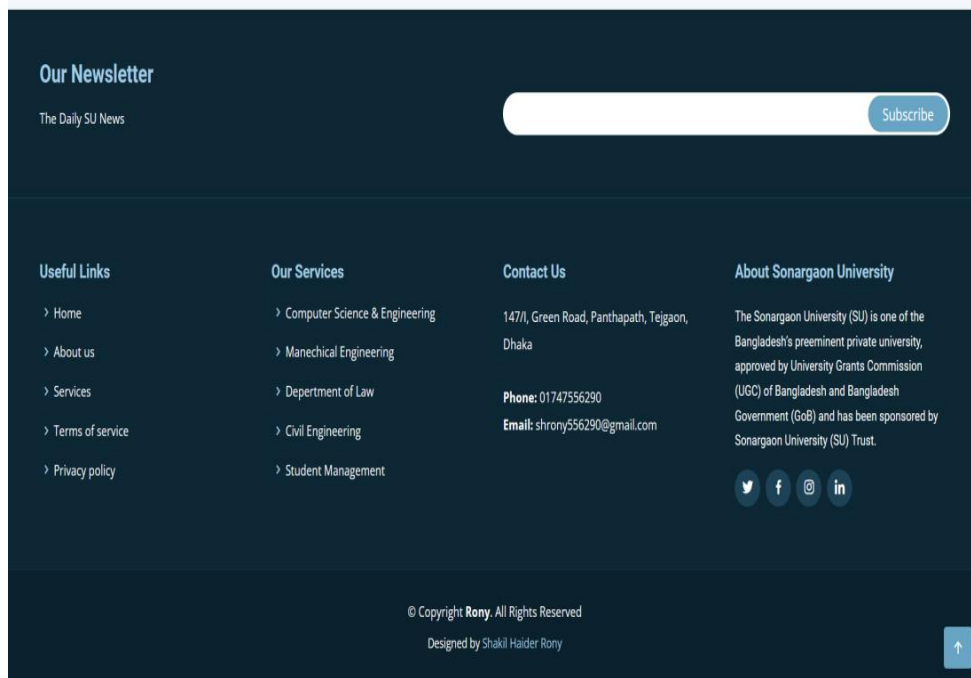


Fig.3.5: Footer portion of user view

```
<footer id="footer" data-aos="fade-up" data-aos-easing="ease-in-out"
data-aos-duration="500">

  <div class="footer-newsletter">
    <div class="container">
      <div class="row">
        <div class="col-lg-6">
          <h4>Our Newsletter</h4>
          <p>The Daily SU News</p>
        </div>
        <div class="col-lg-6">
          <form action="" method="post">
            <input type="email" name="email"><input type="submit" value="Subscribe">
          </form>
        </div>
      </div>
    </div>
  </div>

  <div class="footer-top">
    <div class="container">
      <div class="row">

        <div class="col-lg-3 col-md-6 footer-links">
          <h4>Useful Links</h4>
          <ul>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Home</a></li>
            <li><i class="bx bx-chevron-right"></i> <a href="#">About us</a></li>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Services</a></li>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Terms of service</a></li>
            <li><i class="bx bx-chevron-right"></i> <a href="#">Privacy policy</a></li>
          </ul>
        </div>
      </div>
    </div>
  </div>
</div>
```

Fig.3.6: Code for footer section

3.2 Front-End Technologies

3.2.1 Introduction

The front-end of the job application website was developed using HTML, CSS, and JavaScript. These technologies were used to create the user interface, layout, and functionality of the website, which is what the user sees and interacts with when using the website.

3.2.2 HTML

HTML (Hypertext Markup Language) is a standard markup language used to create the structure and content of web pages. We used HTML to define the structure of the website, including headings, paragraphs, images, and links. HTML allowed us to create a well-organized and semantically meaningful document that could be easily parsed by web browsers.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Sonargon University</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <link href="{{ asset('fontEnd/assets/img/logo.jpg') }}" rel="icon">
  <link href="{{ asset('fontEnd/assets/img/apple-touch-icon.png') }}"
    rel="apple-touch-icon">

  <link href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,
    600i,700,700i|Roboto:300,300i,400,400i,500,500i,700,700i&display=swap"
    rel="stylesheet">
```

Fig.3.7: Html code for user interface design

3.2.3 CSS

CSS (Cascading Style Sheets) is a style sheet language used to describe the presentation of a document written in HTML. We used CSS to apply styling to the website, including the layout, colors, fonts, and animations. CSS allowed us to create a visually appealing and consistent design across the website.

```
119 * Desktop Navigation
120 */
121 .navbar {
122   padding: 0;
123 }
124
125 .navbar ul {
126   margin: 0;
127   padding: 0;
128   display: flex;
129   list-style: none;
130   align-items: center;
131 }
132
133 .navbar li {
134   position: relative;
135 }
136
137 .navbar a,
138 .navbar a:focus {
139   display: flex;
140   align-items: center;
141   justify-content: space-between;
142   padding: 10px 0 10px 30px;
143   font-family: "Open Sans", sans-serif;
144   font-size: 14px;
145   color: #fff;
146   white-space: nowrap;
147   transition: 0.3s;
148 }
149
150 .navbar a i,
151 .navbar a:focus i {
152   font-size: 12px;
153   line-height: 0;
154   margin-left: 5px;
155 }
156
157 .navbar a:hover,
158 .navbar .active,
159 .navbar .active:focus,
160 .navbar li:hover>a {
161   color: #a2c3e3;
162 }
163
164 .navbar .dropdown ul {
165   display: block;
166   position: absolute;
167   left: 14px;
168   top: calc(100% + 30px);
169   margin: 0;
170   padding: 10px 0;
171   z-index: 99;
172   opacity: 0;
173   visibility: hidden;
174   background: #fff;
175   box-shadow: 0px 0px 30px rgba(127, 137, 161, 0.25);
176   transition: 0.3s;
177 }
178
179 .navbar .dropdown ul li {
180   min-width: 200px;
181 }
182
183 .navbar .dropdown ul a {
184   padding: 10px 20px;
185   font-size: 14px;
186   text-transform: none;
187   color: #1c3745;
188 }
189
190 .navbar .dropdown ul a i {
191   font-size: 12px;
192 }
193
194 .navbar .dropdown ul a:hover,
195 .navbar .dropdown ul .active:hover,
196 .navbar .dropdown ul li:hover>a {
197   color: #68A4C4;
198 }
199
```

Fig.3.8: Desktop navigation CSS code

3.2.4 Java Script

JavaScript is a high-level programming language that is used to create interactive effects within web browsers. We used JavaScript to add interactivity to the website, such as dynamic search results, pop-up windows, and form validation. JavaScript also allowed us to create a more responsive and engaging user experience.

```
7 (function() {
8   "use strict";
9
10  /**
11   * Easy selector helper function
12   */
13  const select = (eL, all = false) => {
14    eL = eL.trim()
15    if (all) {
16      return [...document.querySelectorAll(eL)]
17    } else {
18      return document.querySelector(eL)
19    }
20  }
21
22  /**
23   * Easy event listener function
24   */
25  const on = (type, eL, listener, all = false) => {
26    let selectEl = select(eL, all)
27    if (selectEl) {
28      if (all) {
29        selectEl.forEach(e => e.addEventListener(type, listener))
30      } else {
31        selectEl.addEventListener(type, listener)
32      }
33    }
34  }
35
36  /**
37   * Easy on scroll event listener
38   */
39  const onscroll = (eL, listener) => {
40    eL.addEventListener('scroll', listener)
41  }
42
43  /**
44   * Scrolls to an element with header offset
45   */
46  const scrollTo = (eL) => {
47    let header = select('#header')
48    let offset = header.offsetHeight
49
50    if (!header.classList.contains('header-scrolled')) {
51      offset -= 20
52    }
53
54    let elementPos = select(eL).offsetTop
55    window.scrollTo({
56      top: elementPos - offset,
57      behavior: 'smooth'
58    })
59  }
60
61  /**
62   * Toggle .header-scrolled class to #header when page is scrolled
63   */
64  let selectHeader = select('#header')
65  if (selectHeader) {
66    const headerScrolled = () => {
67      if (window.scrollY > 100) {
68        selectHeader.classList.add('header-scrolled')
69      } else {
70        selectHeader.classList.remove('header-scrolled')
71      }
72    }
73    window.addEventListener('load', headerScrolled)
74    onscroll(document, headerScrolled)
75  }
76
77  /**
78   * Back to top button
79   */
80  let backtotop = select('.back-to-top')
81  if (backtotop) {
82    const toggleBacktotop = () => {
83      if (window.scrollY > 100) {
84        backtotop.classList.add('active')
85      } else {
86        backtotop.classList.remove('active')
87      }
88    }
89    window.addEventListener('load', toggleBacktotop)
90    onscroll(document, toggleBacktotop)
91  }
92
93  /**
```

Fig.3.9: JS code to create interactive effects within web browsers.

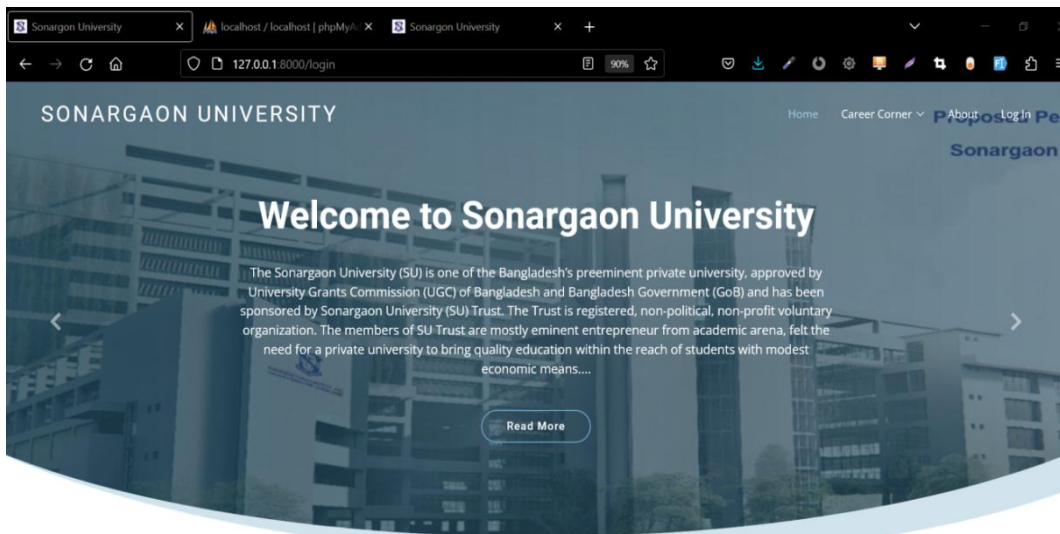
3.3 Back-End Technologies

3.3.1 Introduction

The back-end of the job application website was developed using PHP and MySQL. These technologies were used to manage the data and logic of the website, which is what happens behind the scenes when a user interacts with the website.

3.3.1 PHP

PHP is a server-side scripting language that is widely used for web development. We used PHP to create the dynamic pages of the website, including the job posting and job application pages. PHP allowed us to process data entered by the user, interact with the MySQL database, and generate dynamic content on the fly.



Applicant's List

Id	FirstName	lastName	email	Mobile	Position	Nationality	Gender	Religious	Education	CGPA	Profile	Cv
36	Shakil Haider	Rony	shrony556290@gmail.com	1747556290	Lecturer	Bangladeshi	Male	Islam	Bachelor of Science in Computer Science and Engineering	3.90		
37	Sukriti	Mondol	sukriti@gmail.com	1743696843	lecturer	Bangladeshi	Male	Hindu	Bachelor of Science in Computer Science and Engineering	3.45		
38	Shakil	Ahmed	shakilitbd55@gmail.com	1790026929	Lecturer	Bangladeshi	Male	Islam	Bachelor of Science in Computer Science and Engineering	3.50		
39	Rajan Chandra	Shil	rajan505@gmail.com	1866655624	Lecturer	Bangladeshi	Male	Hindu	Bachelor of Science in Computer Science and Engineering	4.35		

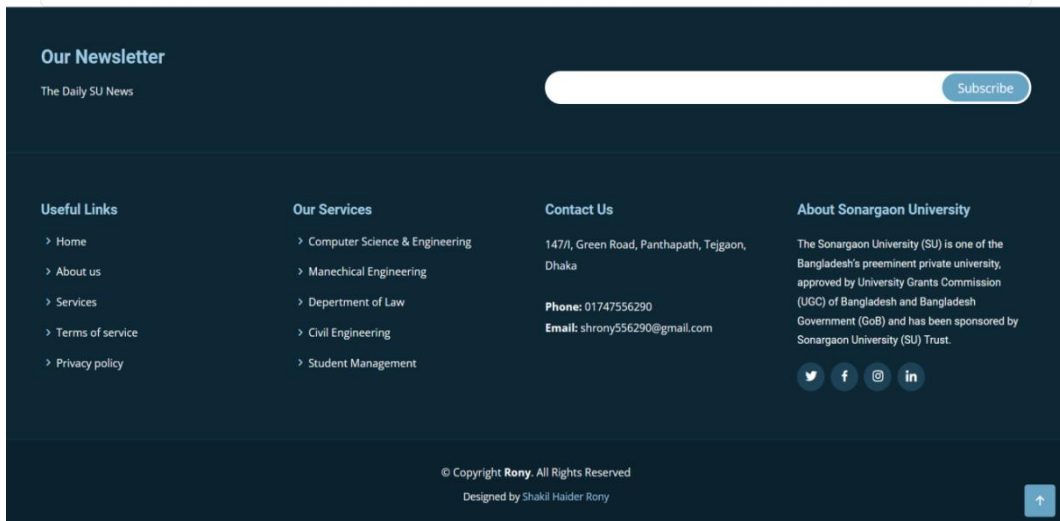


Fig.3.10: Backend all applicant's list

```

1  @extends('layout.frontend')
2  @section('content')
3  <div class="container">
4      <div class="row">
5          <div class="col-12">
6              <div class="card">
7                  <div class="card-header">
8                      <h1 class="text-center text-info">Applicant's List</h1>
9                  </div>
10                 <div class="card-body">
11                     <table class="table table-bordered table-striped">
12                         <tr>
13                             <th class="text-center">Id</th>
14                             <th class="text-center">FirstName</th>
15                             <th class="text-center">lastName</th>
16                             <th class="text-center">email</th>
17                             <th class="text-center">Mobile</th>
18                             <th class="text-center">Position</th>
19                             <th class="text-center">Nationality</th>
20                             <th class="text-center">Gender</th>
21                             <th class="text-center">Religious</th>
22                             <th class="text-center">Education</th>
23                             <th class="text-center">CGPA</th>
24                             <th class="text-center">Profile</th>
25                             <th class="text-center">Cv</th>
26                         </tr>
27                         @foreach ($alldata as $data )
28                         <tr>
29                             <td>{{ $data->id }}</td>
30                             <td>{{ $data->firstname }}</td>
31                             <td>{{ $data->lastname }}</td>
32                             <td>{{ $data->email }}</td>
33                             <td>{{ $data->mobilenumber }}</td>
34                             <td>{{ $data->position }}</td>
35                             <td>{{ $data->nationality }}</td>
36                             <td>{{ $data->gender }}</td>
37                             <td>{{ $data->religious }}</td>
38                             <td>{{ $data->education }}</td>
39                             <td>{{ $data->gpa }}</td>
40                             <td>
41                                 
43                             </td>
44                             <td>
45                                 
46                             </td>
47                         </tr>
48                         @endforeach
49                     </table>
50                 </div>
51             </div>
52         </div>
53     </div>
54 @endsection
55

```

Fig.3.11: Backend Code for all applicant's list

3.4 Database Design and Implementation

3.4.1 Introduction

The database for the job application website was designed using MySQL, and it stores all the data required to manage job postings, job applications, and user profiles. The database schema was designed to ensure data integrity and to optimize queries for performance.

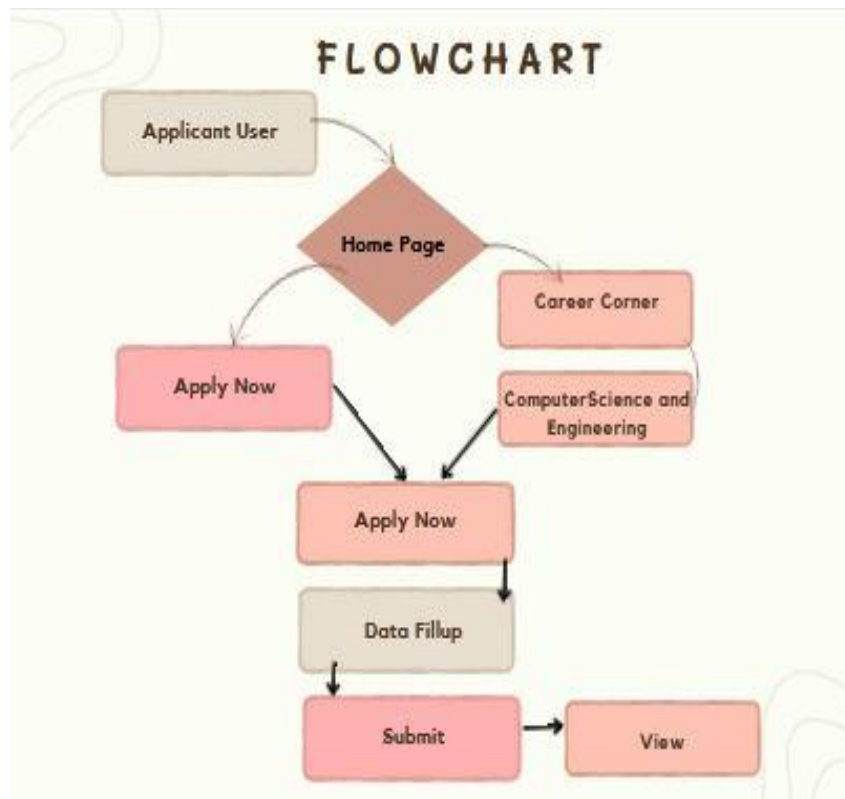
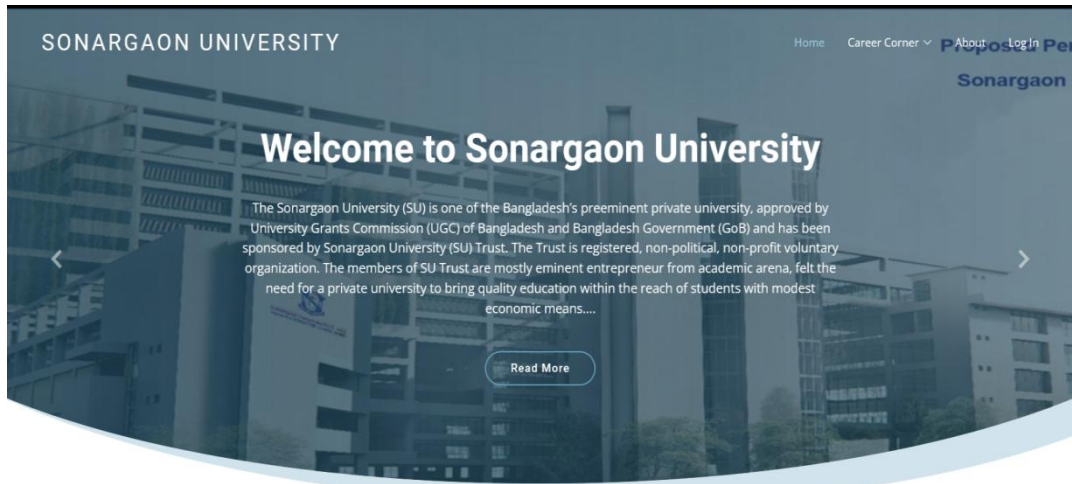


Fig.3.12: Flowchart of full application process



We are Hiring! some lecturers for our University. The candidate must possess a GPA of minimum 4.00 (in the scale of 5.00) or equivalent in SSC, HSC or equivalent examinations. Are you excited to join with us? please click the "Apply Now" button.

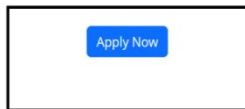
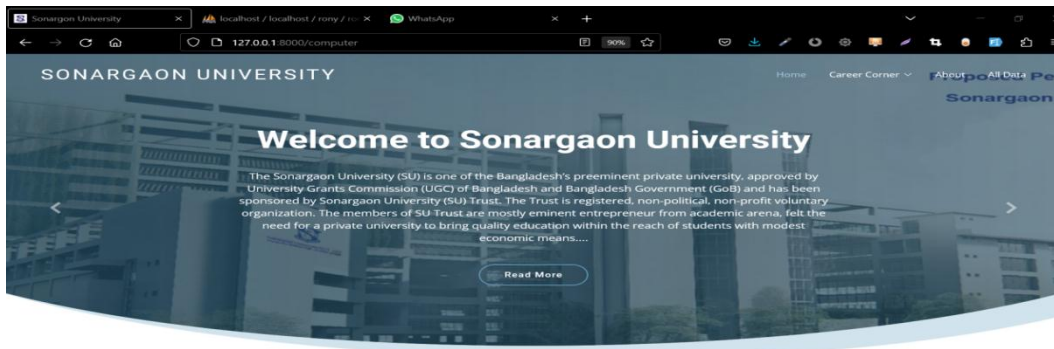


Fig.3.13: User interface "Apply Now" button



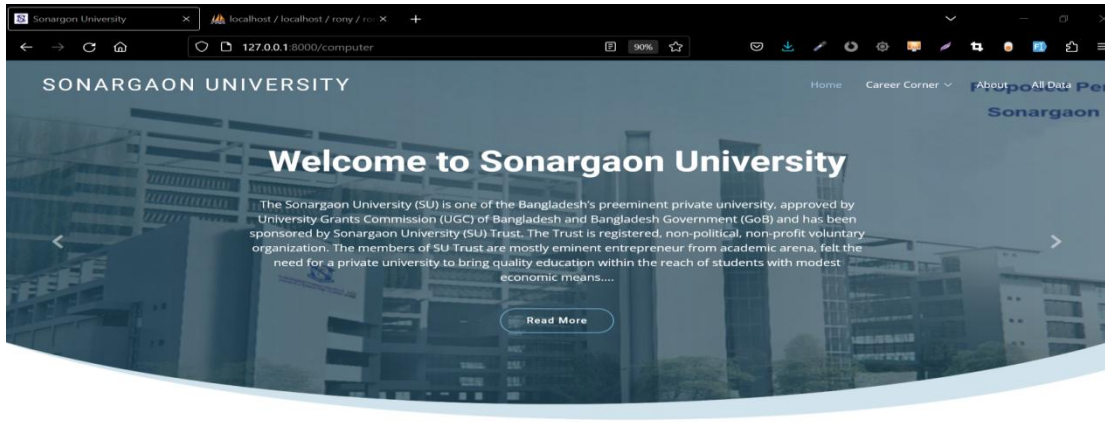
Job Application Form(Sonargaon University)

Please fill out the form below to submit your job application

<p>First Name <input type="text"/></p> <p>Email <input type="text" value="ronycse18b@gmail.com"/></p> <p>Date Of Birth <input type="text" value="mm / dd / yyyy"/></p> <p>Nationality <input type="text" value="Bangladeshi"/></p> <p>GPA/CGPA <input type="text" value="CGPA- 3.95"/></p> <p>Applying for position <input type="text" value="Lecturer"/></p> <p>Address <input type="text" value="Vill, P/O, P/S, Dist"/></p> <p>Profile Picture <input type="button" value="Browse..."/> No file selected.</p>	<p>Last Name <input type="text"/></p> <p>Mobile Number <input type="text" value="01747556290"/></p> <p>Gender <input type="text" value="Male/Female"/></p> <p>Education Qualification <input type="text" value="Last Education Qualification"/></p> <p>Religious <input type="text" value="Islam/Hindu/Buddhaist/Chirstian"/></p> <p>Additional Information <input type="text" value="Extra Co-curricular activities"/></p> <p>CV (Please insert Image) <input type="button" value="Browse..."/> No file selected.</p>
--	--



Fig.3.14: Data fill up page for applicants



Job Application Form(Sonargaon University)

Please fill out the form below to submit your job application

First Name <input type="text" value="Shakil Haider"/>	Last Name <input type="text" value="Rony"/>
Email <input type="text" value="shrony556290@gmail.com"/>	Mobile Number <input type="text" value="01747556290"/>
Date Of Birth <input type="text" value="12 / 30 / 1997"/>	Gender <input type="text" value="Male"/>
Nationality <input type="text" value="Bangladeshi"/>	Education Qualification <input type="text" value="Bachelor of Science in Computer Science and Engineering"/>
GPA/CGPA <input type="text" value="3.90"/>	Religious <input type="text" value="Islam"/>
Applying for position <input type="text" value="Lecturer"/>	Additional Information <input type="text" value="html,css,javascript,query,php,laravel expert"/>
Address <input type="text" value="Vill, P/O, P/S, Dist"/>	
Profile Picture <input type="button" value="Browse..."/> <input type="text" value="Untitled.jpg"/>	CV (Please insert Image) <input type="button" value="Browse..."/> <input type="text" value="2023-05-15_220641.png"/>
<input type="button" value="Apply Now"/> <input type="button" value="View"/>	

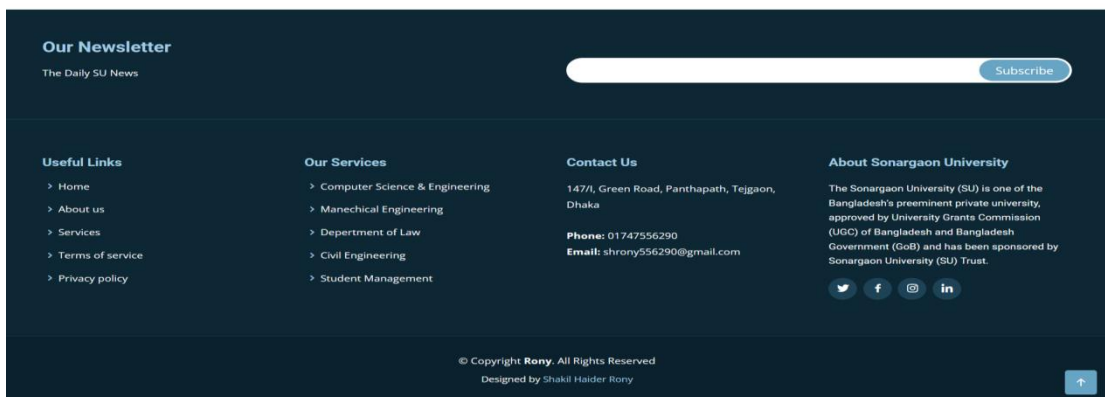


Fig.3.15: Data filled and submitted by user

CHAPTER 4

RESULTS AND OUTCOMES

4.1 Introduction

One of the main outcomes of the job application website is successful job applications, which is when a job seeker submits their application and gets hired for the position they applied for[7]. To enable successful job applications, we implemented several features that make it easier for applicants to find and apply for jobs:

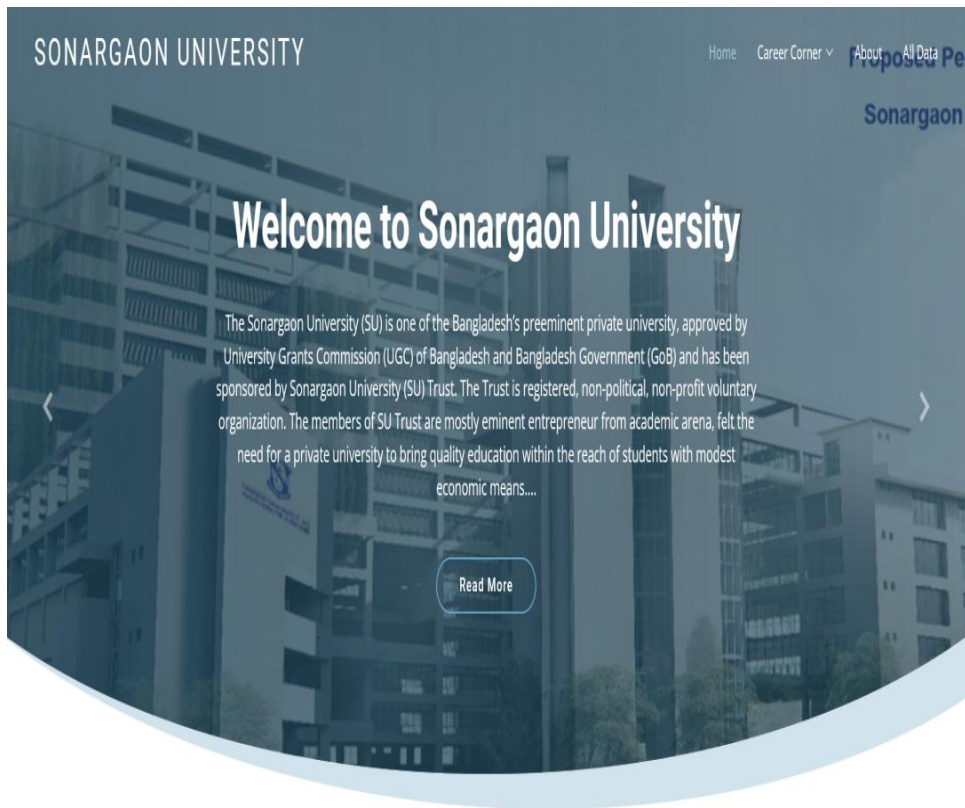
1. **Job Search:** We implemented a job search feature that allows users to search for jobs based on keywords, location, and job category. This feature helps job seekers to find relevant job listings quickly and easily.
2. **Job Alerts:** We added a job alert feature that notifies users via email when new jobs are posted that match their search criteria. This helps candidates to stay up-to-date with job openings and be the first to apply.
3. **Easy Application:** We made it easy for job applicants to apply for jobs by allowing them to submit their CV directly from the website. This feature saves time and effort for job seekers and streamlines the application process.

4.2 Successful Job Application

The successful job application feature our project plays a crucial role in facilitating the application process for candidates and streamlining the recruitment process for employers [3]. This feature allows job seekers to submit their applications for specific job listings, while providing employers with an organized and efficient system to manage and review applications.

The successful job application feature of the job application website has several positive outcomes:

1. **Increased Job Opportunities:** By providing a platform for applicant to find and apply for jobs, the website increases job opportunities and helps to reduce unemployment.
2. **Efficient Hiring Process:** By streamlining the job application process, the website helps employers to find and hire the right candidates more quickly and efficiently.
3. **Higher Employee Satisfaction:** By enabling successful job applications, the website helps to increase employee satisfaction and retention by matching candidates with the right job opportunities.



Job Application Form(Sonargaon University)
Please fill out the form below to submit your job application

Application Submitted successfully

Fig.4.1: Application submitted successfully

```

class HomeController extends Controller
{
    public function index() {
        return view('home');
    }

    public function computer() {
        return view('computer');
    }

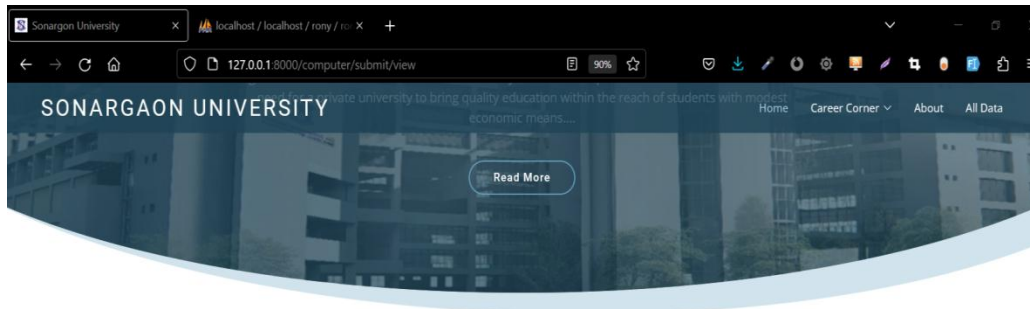
    public function computer_submit(Request $request) {
        $random_name = Str::lower($request->firstname).'-'.random_int(10000,99999);
        $photo = $request->profile_image;
        $extension = $photo->extension();
        $photo_name = $random_name.'.'. $extension;

        $phototwo = $request->image;
        $extensiontwo = $phototwo->extension();
        $photo_nametwo = $random_name.'.'. $extensiontwo;

        Image::make($photo)->save(public_path('uploads/profile/'.$photo_name));
        Image::make($phototwo)->save(public_path('uploads/cv/'.$photo_nametwo));
        Rony::insert([
            'firstname' => $request->firstname,
            'lastname' => $request->lastname,
            'email' => $request->email,
            'mobilenumber' => $request->mobilenumber,
            'address' => $request->address,
            'position' => $request->position,
            'profile_image' => $photo_name,
            'image' => $photo_nametwo,
            'adinformation' => $request->adinformation,
            'religious' => $request->religious,
            'gender' => $request->gender,
            'nationality' => $request->nationality,
            'date' => $request->date,
            'gpa' => $request->gpa,
            'education' => $request->education,
            // 'uploadfile' => $photo_name,
        ]);
        return back()->with('success', 'Application Submitted successfully');
    }
}

```

Fig.4.2: Code for application submitted successfully



Please Enter Your Email Id And Press View Button To View Your Submitted Information

Please Enter your Email

[View](#) [back](#)

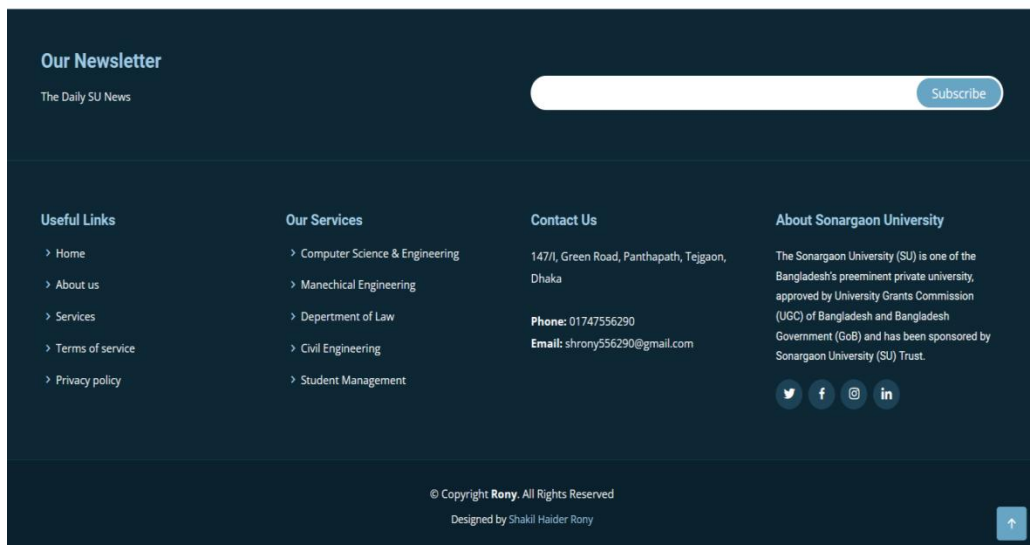


Fig.4.3: Application view with email

```

public function computer_submit_view() {
    return view ('view');
}

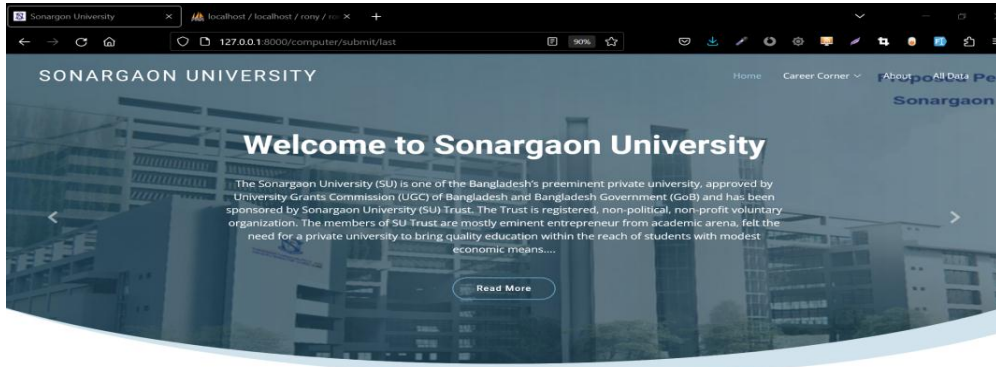
public function computer_submit_last(Request $request) {
    $email = $request->email;
    $databaseoabilNumber = Rony::where('email', $email)->get();
    return view ('alldata',[
        'databaseoabilNumber' => $databaseoabilNumber,
    ]);
}

public function all() {
    $alldata = Rony::all();

    return view('all',[
        'alldata' => $alldata,
    ]);
}

```

Fig.4.4: Code for application view with email



Personal Data

Profile Picture

FirstName:	Shakil Haider	LastName:	Rony
Gender:	Male	Religious:	Islam
Date of Birth:	1997-12-30	Nationality:	Bangladeshi
Education Qualification:	Bachelor of Science in Computer Science and Engineering	GPA/CGPA:	3.90
Email:	shrony556290@gmail.com	Mobile Number:	1747556290
Profession:	Lecturer	Additional Information:	html,css,javascript,jquery,php,laravel expert

Address
 Vill: Shreepur Bari, P.O: Dakshin Bishiura, P.S: Netrakona, Sadar, Dist: Netrakona

CV

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- > Department of Law
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- > Student Management

Contact Us

147/i, Green Road, Panthapath, Tejgaon, Dhaka

Phone: 01747556290
Email: shrony556290@gmail.com

About Sonargaon University

The Sonargaon University (SU) is one of the Bangladesh's preeminent private university, approved by University Grants Commission (UGC) of Bangladesh and Bangladesh Government (GoB) and has been sponsored by Sonargaon University (SU) Trust.

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 Designed by Shakil Haider Rony

Fig.4.5: Application view by user

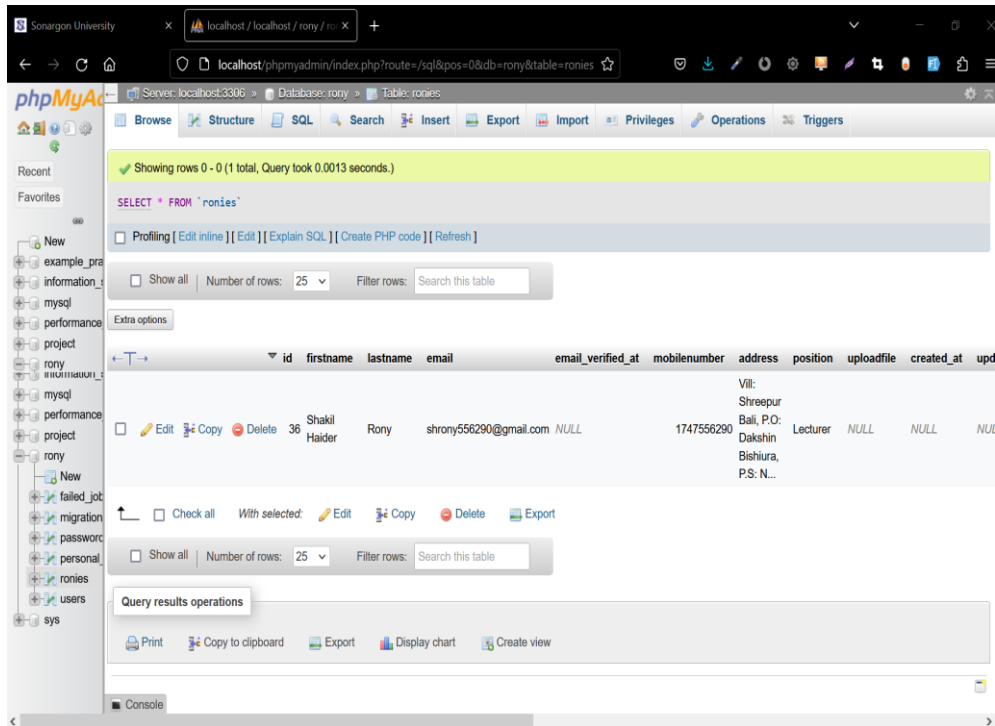


Fig.4.6: Submitted data stored in the database

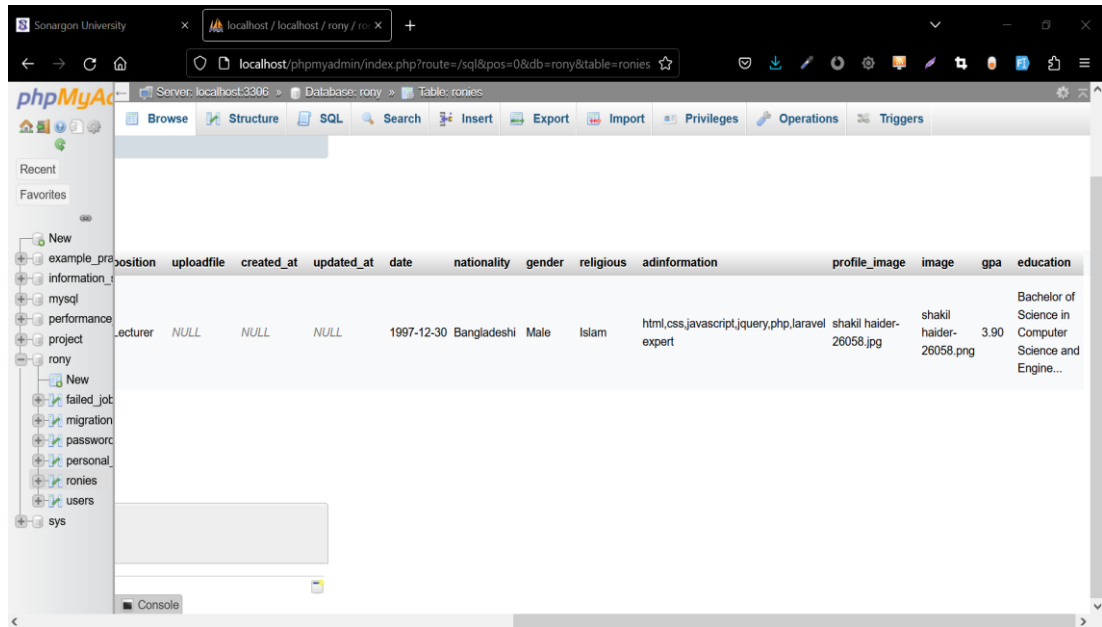


Fig.4.7: Submitted data stored into the database1

4.3 Challenges Faced and Overcome

During the development of the job application website, we faced several challenges that required creative solutions. Some of the major challenges we faced and how we overcame them include:

1. **Database Design:** One of the main challenges we faced was designing the database schema to handle the complex relationships between job listings, job applications and users. To overcome this challenge, we spent significant time analyzing the requirements and iteratively designing the database schema until it met all the necessary criteria.
2. **Security Vulnerabilities:** Another challenge we faced was identifying and mitigating security vulnerabilities, such as SQL injection attacks. To overcome this challenge, we implemented various security measures, such as input validation and HTTPS encryption.
3. **User Interface Design:** The website's user interface design posed another challenge, as we had to ensure that it was both aesthetically pleasing and user-friendly. To overcome this challenge, we conducted user testing and implemented design changes based on feedback from users.

CHAPTER 5

CONCLUSION AND FUTURE WORKS

5.1 Conclusion

In conclusion, the job application website project has successfully achieved its goals and objectives by developing a user-friendly, efficient and secure online platform for candidates and employers. The website's front-end design is aesthetically pleasing and responsive, and the back-end architecture is built on a scalable and maintainable technology stack, with an effective database schema that manages the relationships between job listings, job applications, and users.

5.2 Future Works

As with any software project, there is always room for improvement and enhancement. Some of the future improvements and enhancements we have identified for the job application website include:

1. **Machine Learning-based Job Recommendations:** We plan to implement a job recommendation system that uses machine learning algorithms to recommend relevant job openings to job seekers based on their skills and experience.
2. **Social Media Integration:** We plan to integrate social media platforms, such as LinkedIn and Twitter, to allow candidates to share their job applications and increase their visibility to potential employers.
3. **Advanced Search Filters:** We plan to implement advanced search filters, such as salary range and company culture, to help applicants find job listings that match their preferences.
4. **Mobile Application:** We plan to develop a mobile application for the job application website to enable applicants to access job listings and submit job applications on-the-go.
5. **Automated CV Parsing:** We plan to implement an automated CV parsing system that extracts information from applicants' CVs and auto-fills the job application form, saving time and effort for applicants.
6. **Virtual Interviews:** We plan to integrate virtual interview features, such as video conferencing and chat, to enable employers to conduct remote interviews and reduce the need for in-person meetings.

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