Subject code & Name	:	**CS381 & Full Stack Development**	Practical	:	**1**	Academic Year	:	**2023-2024**

Practical - 1

Aim

Create a responsive website using HTML, CSS, and JavaScript. Create a My Profile webpage.

The webpage should contain a basic structure,

Header: A large strip across the top that typically has a significant title, an image/logo, and maybe a tagline.

Navigation bar: Links to the site's primary areas; typically displayed as a bar with menu buttons, links, or tabs. Similar to the header, this text often doesn't change from page to page.

Main content: A large section in the middle that contains most of the unique content on a particular website, such as the main video, the main article you're reading, the map you want to see, the news headlines, etc. The only area of the website that will definitely vary from page to page.

Sidebar: peripheral information, links, quotes, advertisements, etc. Most of the time, this is relevant to the main content.

Footer: A section at the bottom of a page typically includes small text, copyright disclaimers, or contact information. It is an area where common information (like the header) can be placed, although often, such information is not essential or important to the website itself.

Code

```html
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <!-- Include Bootstrap CSS -->
    <link
      rel="stylesheet"
      href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
    />
    <style>
        /* Custom CSS for sticky header and navbar */
        .sticky-top {
            position: -webkit-sticky;
            position: sticky;
            top: 0;
            z-index: 1020;
        }
        .sidebar {
            /* height: 100vh; */
```

```
                /* overflow-y: auto; */
                padding-top: 10px;
                /* Add some padding for better visibility */
        }
    </style>
    <title>My Profile</title>
</head>
<body>
    <header class="bg-dark text-white text-center py-4 ">
        <div class="container">
            <div class="row">
                <div class="col-md-2">
                    <img src="logo.png" alt="Logo" class="img-fluid" width="100px" />
                </div>
                <div class="col-md-10">
                    <h1 class="display-4">My Profile</h1>
                    <p class="lead">Your Personal Space</p>
                </div>
            </div>
        </div>
    </header>

    <nav class="navbar navbar-expand-lg navbar-dark bg-secondary sticky-top">
        <div class="container">
            <a class="navbar-brand" href="#">My Profile</a>
            <button
                class="navbar-toggler"
                type="button"
                data-toggle="collapse"
                data-target="#navbarNav"
                aria-controls="navbarNav"
                aria-expanded="false"
                aria-label="Toggle navigation"
            >
                <span class="navbar-toggler-icon"></span>
            </button>
            <div class="collapse navbar-collapse" id="navbarNav">
                <ul class="navbar-nav ml-auto">
                    <li class="nav-item active">
                        <a class="nav-link" href="#" data-content="home">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="#" data-content="about">About</a>
                    </li>
                    <li class="nav-item">
```

```html
            <a class="nav-link" href="#" data-content="portfolio"
              >Portfolio</a
            >
          </li>
          <li class="nav-item">
            <a class="nav-link" href="#" data-content="contact">Contact</a>
          </li>
        </ul>
      </div>
    </div>
  </nav>

  <main class="container my-5">
    <div class="row">
      <div class="col-md-8">
        <section class="content">

        </section>
      </div>
      <div class="col-md-3">
        <aside class="sidebar sticky-top ">
          <h2>Quick Links</h2>
          <ul class="list-unstyled">
            <li><a href="#">Resume</a></li>
            <li><a href="#">Blog</a></li>
            <li><a href="#">Projects</a></li>
          </ul>
        </aside>
      </div>
    </div>
  </main>

  <footer class="bg-dark text-white text-center py-3">
    <p>&copy; 2023 My Profile | Contact: 21CS041@charusat.edu.in</p>
  </footer>
  <script>
    document.addEventListener("DOMContentLoaded", function () {
      // Function to update the content based on the clicked link
      function updateContent(contentType) {
        const contentContainer = document.querySelector(".content");
        contentContainer.innerHTML = "";

        switch (contentType) {
          case "home":
            contentContainer.innerHTML = `
```

```
                              <p>        <div class="jumbotron text-center">
        <h2>Welcome to My Website</h2>
        <p>My name is Patel Dhruv N</p>
        <p>ID: 21CS041</p>
        <p>Course: Computer Science Engineering (CSE)</p>
        <p>Semester: 5th</p>
        <p>Subject: Full Stack Development (FSD)</p>
        <a href="#about" class="btn btn-primary btn-lg">Learn More</a>
    </div>
                      `;
          break;
        case "about":
          contentContainer.innerHTML = `
          <h2 >About Me</h2>
    <div class="row">
        <div class="col-md-6">
            <img src="pro.jpg" class="img-fluid rounded-circle" alt="My Photo">
        </div>
        <div class="col-md-6">
            <p>
                My name is Patel Dhruv N, and I'm a passionate Computer Science
Engineering (CSE) student currently in my 5th semester.
                I specialize in Full Stack Development (FSD) and enjoy creating web
applications and solving real-world problems with code.
            </p>
            <p>
                In my free time, I love to explore new technologies, contribute to
open-source projects, and write tech articles on my blog.
                I'm dedicated to continuous learning and growth in the field of
software development.
            </p>
        </div>
    </div>
   </div>
                      `;
          break;
        case "portfolio":
          contentContainer.innerHTML = `
          <h2 class="text-center">Portfolio</h2>
    <div class="row">
        <div class="col-md-4">
            <div class="card mb-4">

                <div class="card-body">
                    <h5 class="card-title">Project 1</h5>
```

```html
                <p class="card-text">Description of Project 1 goes here.</p>
                <a href="#" class="btn btn-primary">View Details</a>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4">

            <div class="card-body">
                <h5 class="card-title">Project 2</h5>
                <p class="card-text">Description of Project 2 goes here.</p>
                <a href="#" class="btn btn-primary">View Details</a>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4">

            <div class="card-body">
                <h5 class="card-title">Project 3</h5>
                <p class="card-text">Description of Project 3 goes here.</p>
                <a href="#" class="btn btn-primary">View Details</a>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4">

            <div class="card-body">
                <h5 class="card-title">Project 4</h5>
                <p class="card-text">Description of Project 4 goes here.</p>
                <a href="#" class="btn btn-primary">View Details</a>
            </div>
        </div>
    </div>
    <div class="col-md-4">
        <div class="card mb-4">

            <div class="card-body">
                <h5 class="card-title">Project 5</h5>
                <p class="card-text">Description of Project 5 goes here.</p>
                <a href="#" class="btn btn-primary">View Details</a>
            </div>
        </div>
    </div>  <div class="col-md-4">
```

```
            <div class="card mb-4">

                <div class="card-body">
                    <h5 class="card-title">Project 6</h5>
                    <p class="card-text">Description of Project 6 goes here.</p>
                    <a href="#" class="btn btn-primary">View Details</a>
                </div>
            </div>
        </div>
    </div>
                `;
        break;

        case "contact":
        contentContainer.innerHTML = `
        <h2 >Contact Us</h2>
          <div class="row">
              <div class="col-md-6">
                  <form>
                      <div class="form-group">
                          <label for="name">Your Name</label>
                          <input type="text" class="form-control" id="name"
placeholder="Enter your name">
                      </div>
                      <div class="form-group">
                          <label for="email">Email Address</label>
                          <input type="email" class="form-control" id="email"
placeholder="Enter your email">
                      </div>
                      <div class="form-group">
                          <label for="message">Message</label>
                          <textarea class="form-control" id="message" rows="5"
placeholder="Enter your message"></textarea>
                      </div>
                      <button type="submit" class="btn btn-primary">Submit</button>
                  </form>
              </div>
              <div class="col-md-6">
                  <address>
                      <h4>Contact Information</h4>
                      <p><strong>Address:</strong> Anand ,Gujrat</p>
                      <p><strong>Email:</strong>21CS041@charusat.edu.in</p>
                      <p><strong>Phone:</strong> 00000000</p>
                  </address>
              </div>
```

```
          </div>
            `
          break;
      }


    }



    // Event listeners for navigation links
    const navLinks = document.querySelectorAll(".nav-link");
    navLinks.forEach(function (link) {
      link.addEventListener("click", function (event) {
        event.preventDefault();
        const contentType = this.getAttribute("data-content");
        updateContent(contentType);
      });
    });

    // Initialize with the "Home" content
    updateContent("home");

    navLinks.forEach(function (link) {
    link.classList.remove("active");
  });

    // Add the 'active' class to the clicked link
    const activeLink = document.querySelector(`[data-content="${contentType}"]`);
    activeLink.classList.add("active");
    });
  </script>

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
  </body>
</html>
```
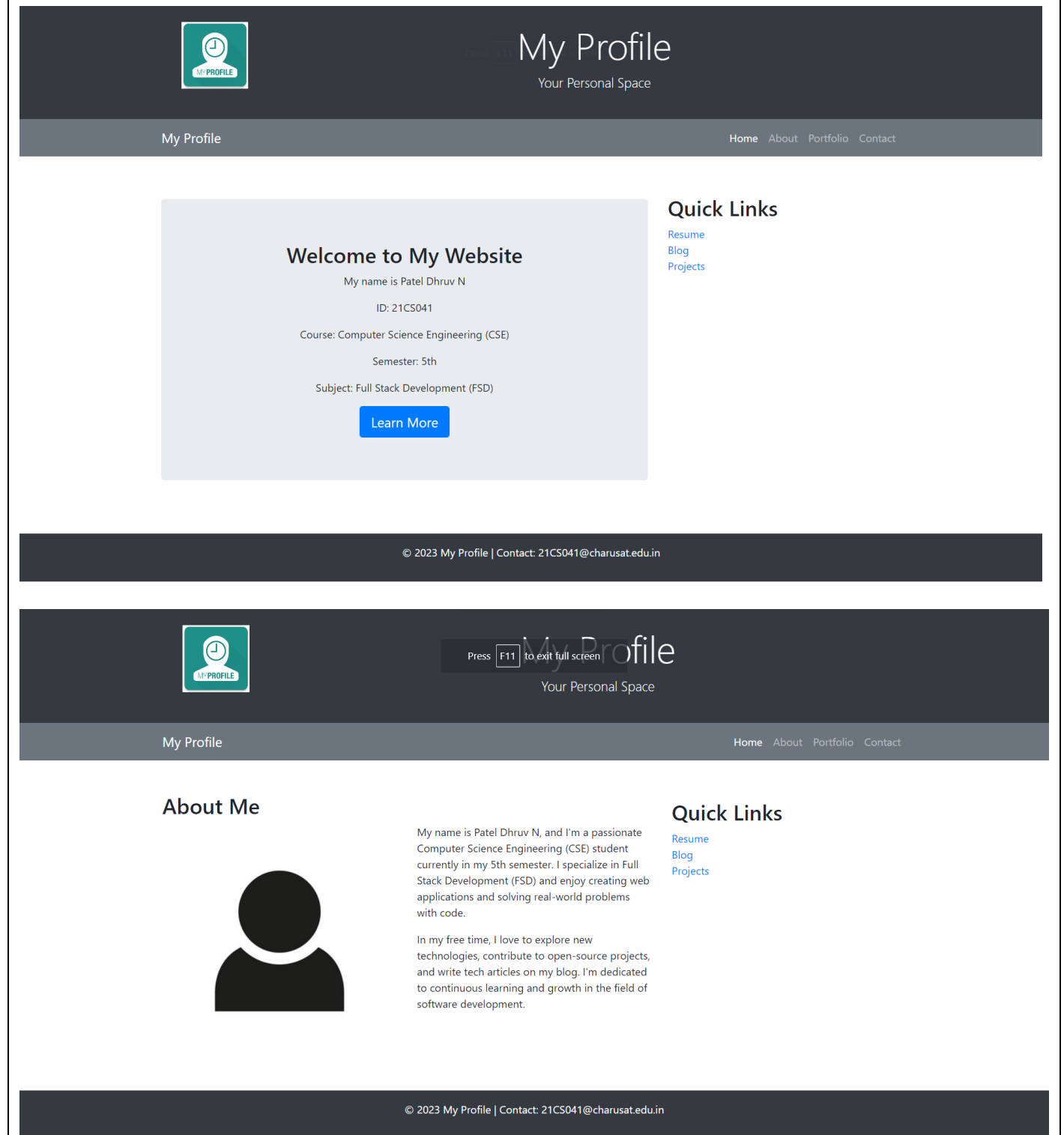
Output

GitHub live page : **https://dhruvpatel004.github.io/FSD/PR1/**

My Profile
Your Personal Space

My Profile

Home About Portfolio Contact

Welcome to My Website

My name is Patel Dhruv N

ID: 21CS041

Course: Computer Science Engineering (CSE)

Semester: 5th

Subject: Full Stack Development (FSD)

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Press F11 to exit full screen

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About Me

My name is Patel Dhruv N, and I'm a passionate Computer Science Engineering (CSE) student currently in my 5th semester. I specialize in Full Stack Development (FSD) and enjoy creating web applications and solving real-world problems with code.

In my free time, I love to explore new technologies, contribute to open-source projects, and write tech articles on my blog. I'm dedicated to continuous learning and growth in the field of software development.

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Portfolio

Project 1
Description of Project 1 goes here.
[View Details]

Project 2
Description of Project 2 goes here.
[View Details]

Project 3
Description of Project 3 goes here.
[View Details]

Project 4
Description of Project 4 goes here.
[View Details]

Project 5
Description of Project 5 goes here.
[View Details]

Project 6
Description of Project 6 goes here.
[View Details]

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Contact Us

Your Name

Enter your name

Email Address

Enter your email

Message

Enter your message
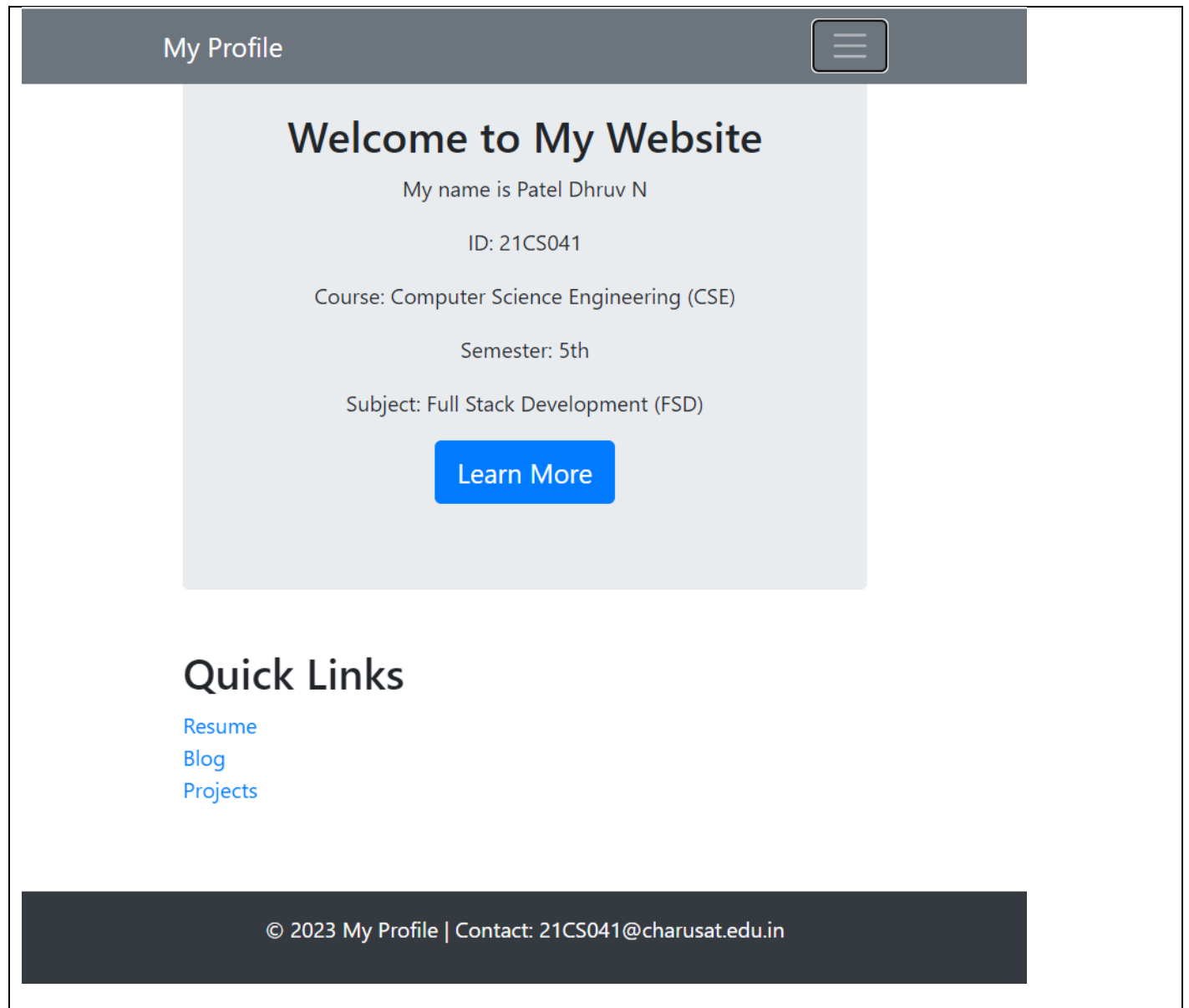
[Submit]

Contact Information

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Phone: 00000000

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