**DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING**

# Personal Portfolio Website

UI/UX Design Fundamental

B. Tech Degree – <mark>3 BTCS  Section B</mark>

**School of Engineering and Technology,**

**CHRIST (Deemed to be University),**

**Kumbalagodu, Bengaluru-560 074**

September 2025

# CHRIST
## (DEEMED TO BE UNIVERSITY)
### BANGALORE · INDIA

*Certificate*

*This is to certify that Chris Kevin A(2460349), Kevin Patrick K(2460419), Kavin M(2460391) has successfully completed the Project work  for UI/UX Design Fundamental in partial fulfillment for the award of Bachelor of Technology during the academic year 2025-2026.*

*Mrs Nagaveena*

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# 1.Abstract

This project is a personal portfolio website designed to showcase skills, projects, and contact information. The website acts as a professional digital introduction, highlighting expertise, past work, and providing a direct channel for communication. Built using HTML, CSS, JavaScript, Bootstrap, and jQuery, the site ensures responsiveness and accessibility across devices.

# 2. Objective

The primary objectives of this project are:

- To create a professional personal portfolio website.

- To present skills, projects, and experience in an interactive format.

- To allow potential clients or employers to contact the developer easily.

### 3. Scope of Project

- The scope of this project goes beyond just displaying images.
- Individual professionals and freelancers can showcase their work.
- Can be extended for businesses, agencies, or creative studios.
- Provides a platform to demonstrate technical and design skills.

# 4. Tools and Technologies Used

- **HTML5** – for website structure

- **CSS3** – for styling and design

- **Bootstrap 5** – for responsive grid and UI components

- **JavaScript & jQuery** – for interactivity and form validation

- **Google Fonts** – for custom typography

# 5. HTML Structure Overview

1. Header / **Navbar** → Navigation links
2. Hero **Section** → Introduction & tagline
3. About **Me Section** → Biography & profile picture
4. Portfolio **Section** → Showcase of projects in cards
5. Contact **Form** → User can send inquiries
6. Footer → Copyright & social links

# 6. CSS Styling Strategy

- Used **Bootstrap utility classes** for grid, spacing, and responsiveness.
- Created a **custom style.css** for branding colors, hover effects, and hero background.
- Added smooth scrolling and hover animations for better UX.

# 7. Key Features

- **Responsive Design** → Works on desktop, tablet, and mobile.
- **Portfolio Gallery** → Organized showcase of work.
- **Contact Form** → Collects name, email, and message.
- **Smooth Navigation** → Sticky navbar with scroll effect.

## 8. Challenges Faced & Solutions

- **Challenge:** Ensuring responsiveness across devices.

- *Solution:* Used Bootstrap grid system and img-fluid.

- **Challenge:** Making the contact form interactive.

- *Solution:* Added jQuery for form validation and reset; can integrate EmailJS.

- **Challenge:** Designing a modern, professional look.

- *Solution:* Used Google Fonts, custom CSS, and hover animations.

## 9. Outcome

The final website is a responsive, professional portfolio that showcases skills, projects, and enables direct contact. It can be hosted online as a personal branding tool.

## 10. Future Enhancement

- Integration with a backend (PHP/Node.js) or **EmailJS** for live email sending.
- Adding a **downloadable resume (PDF)**.
- Expanding the portfolio section with categories & filters.
- Adding a **dark mode toggle**.
- SEO optimization for better discoverability.

## 11. Sample Code

### index.html

```
<!DOCTYPE html>

<html lang="en">
```

```html
<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>My Portfolio</title>

  <!-- Bootstrap CSS -->

    <link    href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css"
rel="stylesheet">

  <!-- Custom CSS -->

  <link rel="stylesheet" href="style.css">

  <!-- Google Fonts -->

                                                                                    <link
href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;600&display=swap
" rel="stylesheet">

</head>

<body>


  <!-- Navbar -->

  <nav class="navbar navbar-expand-lg navbar-dark bg-dark sticky-top">

    <div class="container">

      <a class="navbar-brand fw-bold" href="#">MyPortfolio</a>

        <button  class="navbar-toggler"  type="button"  data-bs-toggle="collapse"  data-bs-
target="#navbarNav">

        <span class="navbar-toggler-icon"></span>

      </button>

      <div class="collapse navbar-collapse" id="navbarNav">

        <ul class="navbar-nav ms-auto">

          <li class="nav-item"><a class="nav-link" href="#about">About Me</a></li>

          <li class="nav-item"><a class="nav-link" href="#portfolio">Portfolio</a></li>
```

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


    <!-- Hero Section -->
    <header class="hero text-white d-flex align-items-center">
      <div class="container text-center">
        <h1 class="fw-bold">Hello, I'm <span class="highlight">Spark</span></h1>
        <p class="lead">Web Developer | Designer | Freelancer</p>
        <a href="#portfolio" class="btn btn-primary mt-3">View My Work</a>
      </div>
    </header>


    <!-- About Section -->
    <section id="about" class="py-5">
      <div class="container">
        <h2 class="text-center mb-4">About Me</h2>
        <div class="row align-items-center">
          <div class="col-md-4 text-center">
            <img src="https://via.placeholder.com/250" class="rounded-circle img-fluid" alt="Profile Picture">
          </div>
          <div class="col-md-8">
            <p>Hello! I'm a passionate web developer with experience in creating dynamic and responsive websites. I specialize in front-end development using HTML, CSS, JavaScript,
```

Bootstrap, and jQuery. My goal is to deliver clean, user-friendly designs that provide excellent user experiences. I enjoy learning new technologies and continuously improving my skills.</p>

            </div>

        </div>

    </div>

</section>


<!-- Portfolio Section -->

<section id="portfolio" class="py-5 bg-light">

  <div class="container">

    <h2 class="text-center mb-4">My Portfolio</h2>

    <div class="row g-4">

      <div class="col-md-4">

        <div class="card shadow-sm">

          <img src="https://via.placeholder.com/400x250" class="card-img-top" alt="Project 1">

            <div class="card-body">

              <h5 class="card-title">Project One</h5>

              <p class="card-text">A web design project showcasing responsive UI.</p>

              <a href="#" class="btn btn-outline-primary btn-sm">View Project</a>

            </div>

          </div>

        </div>

        <div class="col-md-4">

          <div class="card shadow-sm">

            <img src="https://via.placeholder.com/400x250" class="card-img-top" alt="Project 2">

```html
      <div class="card-body">

        <h5 class="card-title">Project Two</h5>

        <p class="card-text">A development project with dynamic features.</p>

        <a href="#" class="btn btn-outline-primary btn-sm">View Project</a>

      </div>

    </div>

  </div>

  <div class="col-md-4">

    <div class="card shadow-sm">

      <img src="https://via.placeholder.com/400x250" class="card-img-top" alt="Project 3">

      <div class="card-body">

        <h5 class="card-title">Project Three</h5>

        <p class="card-text">A creative design with modern aesthetics.</p>

        <a href="#" class="btn btn-outline-primary btn-sm">View Project</a>

      </div>

    </div>

  </div>

 </div>

</section>


<!-- Contact Section -->
<section id="contact" class="py-5">

 <div class="container">

  <h2 class="text-center mb-4">Contact Me</h2>
```

```html
    <div class="row justify-content-center">

      <div class="col-md-8">

        <form id="contactForm">

          <div class="mb-3">

            <label for="name" class="form-label">Your Name</label>

            <input type="text" class="form-control" id="name" required>

          </div>

          <div class="mb-3">

            <label for="email" class="form-label">Your Email</label>

            <input type="email" class="form-control" id="email" required>

          </div>

          <div class="mb-3">

            <label for="message" class="form-label">Your Message</label>

            <textarea class="form-control" id="message" rows="4" required></textarea>

          </div>

          <button type="submit" class="btn btn-primary w-100">Send Message</button>

        </form>

      </div>

    </div>

  </div>

</section>


<!-- Footer -->

<footer class="bg-dark text-white text-center py-3">

  <p class="mb-0">&copy; 2025 MyPortfolio | Designed by Me</p>

</footer>
```

```html
<!-- Bootstrap JS & jQuery -->

<script src="https://code.jquery.com/jquery-3.7.1.min.js"></script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/js/bootstrap.bundle.min.js"></script>

<script>

  // jQuery Contact Form Alert

  $("#contactForm").on("submit", function(e){

    e.preventDefault();

    alert("Thank you for reaching out! I will get back to you soon.");

    $(this).trigger("reset");

  });

</script>

</body>

</html>
```

## style.css

```css
body {

 font-family: 'Poppins', sans-serif;

 line-height: 1.6;

}


.hero {

 background: url("https://via.placeholder.com/1600x600") center/cover no-repeat;

 height: 100vh;

 text-shadow: 2px 2px 5px rgba(0,0,0,0.6);

}
```
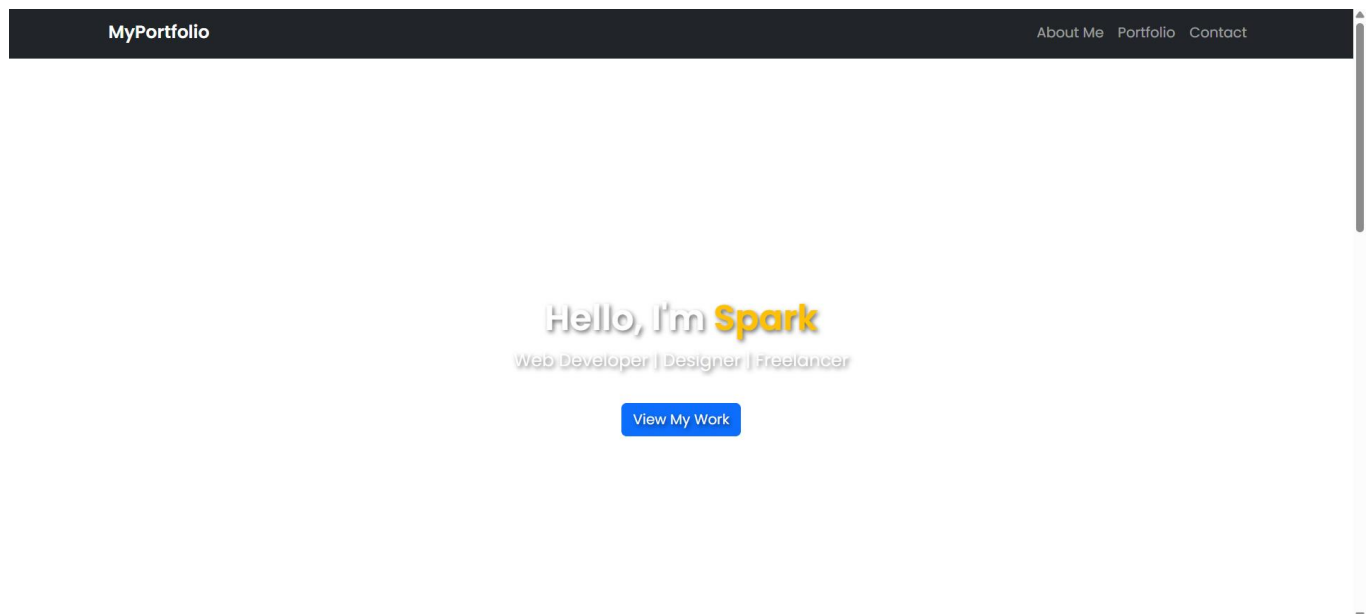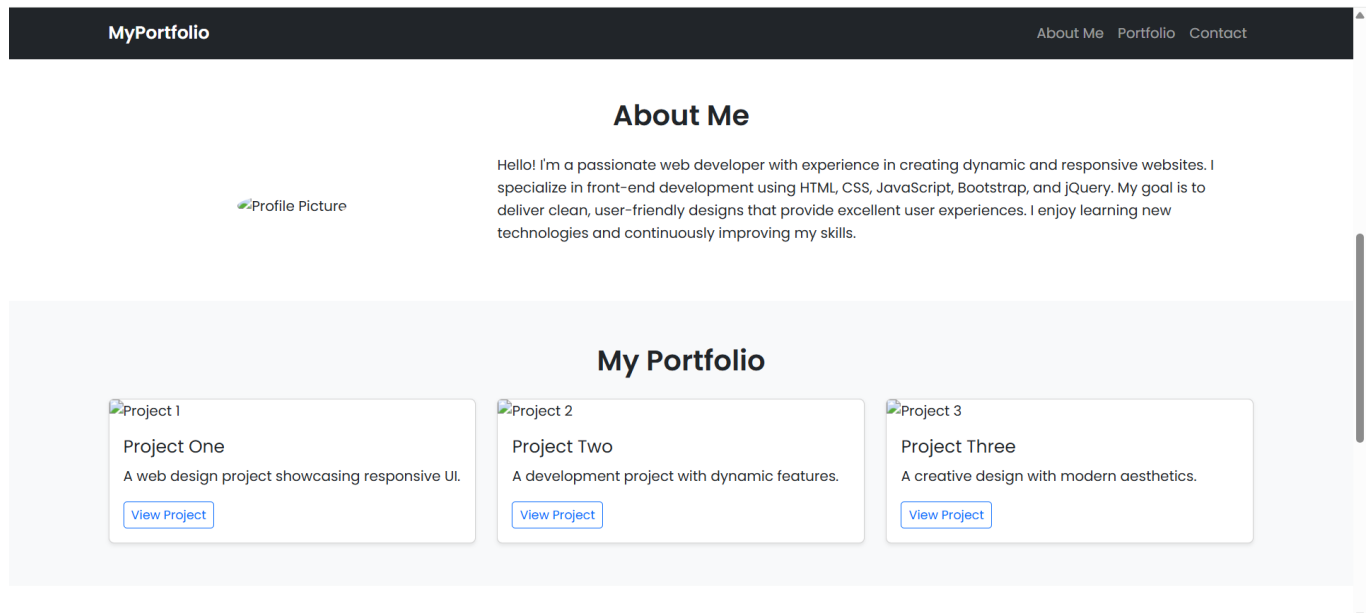
```
.hero .highlight {

  color: #ffc107;

}


section h2 {

  font-weight: 600;

  margin-bottom: 20px;

}


.card img {

  border-radius: 5px 5px 0 0;

}
```

# 12. Final Output

A fully responsive portfolio website with:

- Navbar

- Hero Section

- About Me Section

- Portfolio Gallery

- Contact Form

- Footer

# 13. Conclusion

This project demonstrates how front-end web technologies can be used to create a professional and visually appealing portfolio website. It highlights the developer's skills, projects, and provides a platform for future opportunities.

# 14. References

- Bootstrap Documentation
- jQuery Documentation

- MDN Web Docs
- W3Schools
- [Unsplash](#) – Stock images
- Wallpapers.com – Backgrounds