# DIGITAL PORTFOLIO ▶ ▶ ▶

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## DIGITAL PORTFOLIO

- *Digital Portfolio*
- *Name: Somnath das .p*
- *BSc Computer Science, 2nd Year*
- *Key Skills: Web Development, Creative Design*
- *Projects: chess game, website, portfolio*
- *Contact: [Email] | [GitHub]*

# AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Feature and functionalities
7. Results and Screenshot
8. Conclusion
9. GitHub Link

# PROBLEM STATEMENT

➢ *In today's digital era, traditional resumes are not enough to effectively showcase skills and projects.*
➢ *Many students and professionals lack a structured online presence to highlight their work and achievements.*
➢ *A digital portfolio offers an interactive and accessible solution to present skills, experiences, and accomplishments in a modern, engaging way*

# PROJECT OVERVIEW

➢ *Brief summary: This project is a digital portfolio to professionally present my background, skills, and creative work.*

➢ *Contains key sections: About Me, Projects, Skills, and Contact for easy navigation.*

➢ *Main idea: Showcase personal achievements, highlight technical expertise, and display completed projects in an organized manner.*

## WHO ARE THE END USERS?

*Students*: Showcase academic projects, assignments, and build resumes
for further studies.
*Job Seekers*: Share skills, experience, and portfolio with recruiters and
employers.
*Freelancers*: Present work samples and completed projects to attract
potential clients.
*Professionals*: Highlight career achievements, expertise, and ongoing
development.

# TOOLS AND TECHNIQUES

- *HTML: Builds the main structure of all portfolio pages and sections.*
- *CSS: Styles the portfolio with colors, layouts, and makes it responsive for all device sizes.*
- *JavaScript: Adds interactivity-navigation menu, animations, and form validation.*
- *Code Editor: Developed using VS Code for efficient coding.*
- *Hosting: Published online using GitHub Pages for easy sharing and access.*

## PORTFOLIO DESIGN AND LAYOUT

*Organized sections:*
➢ *Home/About Me, Projects, Skills, Contact.*
➢ *Consistent color scheme and clean typography throughout the portfolio.*
➢ *Easy navigation bar for smooth movement between sections.*
➢ *Visual elements like icons and images for better engagement.*
➢ *Fully responsive layout optimized for both mobile and desktop devices.*

## FEATURES AND FUNCTIONALITITY

➢ Navigation bar with smooth scrolling for easy access to all
sections.
➢ Project showcase including images and detailed
descriptions for
each project.
➢ Interactive elements such as hover effects and animations
to
enhance user engagement.
➢ Contact form with validation to ensure correct and
complete user
input.
➢ Responsive design that works seamlessly on desktop,
tablet, and
mobile devices.

# *RESULTS AND SCREENSHOTS*

**HTML**

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <title>Digital Portfolio</title>
    <link rel="stylesheet" href="styles.css" />
</head>
<body>
    <header>
        <h1>Somnath Das</h1>
        <p>Web Developer & Designer</p>
        <nav>
            <ul>
                <li><a href="#about">About Me</a></li>
                <li><a href="#projects">Projects</a></li>
                <li><a href="#contact">Contact</a></li>
            </ul>
        </nav>
    </header>

    <section id="about">
        <h2>About Me</h2>
        <p>Hello! I'm Somnath Das, a passionate web developer who loves creating beautiful and functional websites and
    </section>

    <section id="projects">
        <h2>Projects</h2>
        <div class="project-list">
            <div class="project">
                <h3>Project One</h3>
                <p>A web-based ♟ chess game built using JavaScript, HTML, and CSS.</p>
            </div>
            <div class="project">
                <h3>Project Two</h3>
                <p>Responsive portfolio website with animations and interactive UI.</p>
            </div>
        </div>
    </section>

    <section id="contact">
        <h2>Contact Me</h2>
        <form id="contactForm">
            <label for="name">Name:</label>
            <input type="text" id="name" required />

            <label for="email">Email:</label>
            <input type="email" id="email" required />

            <label for="message">Message:</label>
            <textarea id="message" rows="4" required></textarea>

            <button type="submit">Send</button>
        </form>
        <p id="formMessage"></p>
    </section>

    <footer>
        <p>psomnathdas@gmail.com</p>
    </footer>

    <script src="scripts.js"></script>
</body>
</html>
```

```css
/* Reset and base styles */
body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    margin: 0;
    padding: 0;
    background-color: #f4f6f8;
    color: #333;
}

header {
    background-color: #005f73;
    color: white;
    padding: 20px 10%;
    text-align: center;
}

header h1 {
    margin: 0;
    font-size: 2.5rem;
}

header p {
    margin: 5px 0 15px;
    font-size: 1.2rem;
}

nav ul {
    list-style-type: none;
    padding: 0;
    display: flex;
    justify-content: center;
    gap: 40px;
}

nav a {
    color: #caf0f8;
    text-decoration: none;
    font-weight: 600;
}

nav a:hover {
    text-decoration: underline;
}

section {
    max-width: 900px;
    margin: 40px auto;
    padding: 0 20px;
}

h2 {
    border-bottom: 3px solid #0077b6;
    padding-bottom: 10px;
}

.project-list {
    display: flex;
    gap: 20px;
    flex-wrap: wrap;
}

.project {
    background-color: white;
    padding: 15px;
    border-radius: 8px;
    box-shadow: 0 2px 5px rgba(0,0,0,0.1);
    flex: 1 1 45%;
}
```

```css
}

form {
    display: flex;
    flex-direction: column;
    max-width: 500px;
}

label {
    margin: 10px 0 5px;
    font-weight: bold;
}

input, textarea {
    padding: 10px;
    border: 1px solid #ccc;
    border-radius: 5px;
    font-size: 1rem;
}

button {
    margin-top: 15px;
    background-color: #0077b6;
    color: white;
    border: none;
    padding: 12px;
    border-radius: 5px;
    font-size: 1.1rem;
    cursor: pointer;
}

button:hover {
    background-color: #005f73;
}

footer {
    text-align: center;
    padding: 15px;
    background-color: #e0e0e0;
    margin-top: 40px;
}
```

```javascript
document.getElementById('contactForm').addEventListener('submit', function(e) {
    e.preventDefault();

    const name = document.getElementById('name').value.trim();
    const email = document.getElementById('email').value.trim();
    const message = document.getElementById('message').value.trim();
    const formMessage = document.getElementById('formMessage');

    if (name === '' || email === '' || message === '') {
        formMessage.style.color = 'red';
        formMessage.textContent = 'Please fill in all fields.';
        return;
    }

    if (!validateEmail(email)) {
        formMessage.style.color = 'red';
        formMessage.textContent = 'Please enter a valid email address.';
        return;
    }

    formMessage.style.color = 'green';
    formMessage.textContent = `Thank you, ${name}! Your message has been sent.`;

    // Clear the form
    this.reset();
});

function validateEmail(email) {
    const re = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    return re.test(email);
}
```

## CONCLUSION

*Highlights of Your Project:*
*➢ Integrates both technical (coding, web development) and creative (design,*
*wallpapers, logos) projects in a single portfolio.*
*➢ Features a user-friendly, visually attractive layout for easy navigation and*
*engagement.*
*➢ Provides interactive elements like clickable project links and external profiles for*
*deeper exploration.*

## Final Summary

➢ *Demonstrates a holistic approach to personal branding and self-presentation in the digital age.*
➢ *Offers a comprehensive record of skills, achievements, and creative growth beyond traditional resumes.*
➢ *Acts as a dynamic platform adaptable for academic, professional, and creative opportunities*

## Benefits to society

➢ *Encourages students and professionals to showcase their real skills and passion authentically.*
➢ *Fosters inspiration and knowledge sharing among peers, educators, and professionals.*
➢ *Helps bridge the gap between talent and opportunity, supporting career growth and collaboration.*