

# Digital Portfolio



STUDENT NAME: M.PRAGALYA

REGISTER NO AND NMID:

24134111802522026/ABCED795699832DB9E4460D56B450C48

DEPARTMENT: Bsc.Computer Science

COLLEGE: COLLEGE/ UNIVERSITY: Vivekananda College of arts and science/Annamalai University



PROJECT TITLE



# My Portfolio ~ Frontend development



# AGENDA

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link



# PROBLEM STATEMENT



**In the digital era, individuals need a professional online presence to showcase their skills, achievements, and projects. Traditional resumes are often limited in interactivity and do not fully highlight a person's abilities. There is a need for a personal portfolio website that serves as a dynamic, responsive, and user-friendly platform to present professional information, display projects, and allow potential employers or collaborators to connect easily.**



# PROJECT OVERVIEW

**This project is a personal portfolio website designed to showcase the skills, projects, and contact details of an individual . The website is built using HTML, CSS, and JavaScript with a responsive layout for better user experience across devices.**

**The portfolio contains the following sections:**

**Navigation Bar – A sticky header with quick links to different sections.**

**Hero Section – An introduction with a personal tagline and a call-to-action button.**

**About Section – A profile photo and a short bio describing skills and interests.**

**Projects Section – A grid layout showcasing sample projects with descriptions.**

**Contact Section – A form where visitors can send a message (with JavaScript validation).**

**Footer – Copyright information.**

# WHO ARE THE END USERS?

## 1. Potential Employers / Recruiters

They can view your skills, experience, and projects to evaluate you for job opportunities.

## 2. Clients / Collaborators

People who may want to hire you for freelance work or collaborate on projects.

## 3. Peers / Academic Evaluators

Teachers, professors, or classmates who review your project for academic purposes.

## 4. General Visitors

Anyone interested in knowing more about you, your work, or contacting you.

# TOOLS AND TECHNIQUES

## 1. Tools Used:

**HTML5** → For structuring the content of the website (headings, sections, navigation, forms).

**CSS3** → For styling the layout, colors, fonts, responsiveness, and hover effects.

**JavaScript** → For interactivity (form submission alert, dynamic behavior).

**Code Editor (VS Code / Sublime / Notepad++)** → For writing and editing the code.

**Web Browser (Chrome, Edge, Firefox)** → For testing and running the portfolio website.

**Online Image Hosting (e.g., imgbb, Google Drive link)** → To store and display the profile photo.

# TOOLS AND TECHNIQUES



## 2. Techniques Applied:

**Responsive Web Design** → Using flexible layouts (CSS Grid, Flexbox) to ensure the site works on different screen sizes.

**Sticky Navigation Bar** → Keeps the menu visible at the top while scrolling.

**Hover Effects & Transitions** → For interactive buttons and project cards.

**Form Handling with JavaScript** → Captures input and shows a confirmation alert.

**Section-based Layout** → Breaking the site into Hero, About, Projects, and Contact sections for easy navigation.

**Card-based Design** → Projects are displayed in modern “cards” for clarity.





# POTFOLIO DESIGN AND LAYOUT

## 1. Navigation Bar (Header)

Positioned at the top of the page (sticky header).

Contains the portfolio title (My Portfolio) and navigation links (Home, About, Projects, Contact).

Dark background (#222) with white text for contrast.

Hover effect changes link color to orange.

## 2. Hero Section

Full-screen (100vh) introductory section.

Gradient background (linear-gradient to right, #667eea → #764ba2).

Large welcome heading with the developer's name.

A short description and a “View My Work” call-to-action button.

## 3. About Section

Split into two parts:

Profile Photo (circular, bordered with orange).

About Text (bio and skill description).

Uses Flexbox for alignment and responsiveness.

# POTFOLIO DESIGN AND LAYOUT

## 4. Projects Section

**Grid layout of Project Cards.**

**Each card has a project title, description, and hover effect (slight upward movement).  
Clean white cards with shadows to highlight projects.**

## 5. Contact Section

**Contains a form with input fields (Name, Email, Message).**

**Styled with simple boxes and rounded corners.**

**Submit button with hover effect (blue → darker blue).**

**JavaScript used to show a success message after submitting.**

## 6. Footer

**Centered text at the bottom with copyright information.**

**Dark background (#222) with white text.**

# FEATURES AND FUNCTIONALITY

## 1. Navigation (Header Section)

**Sticky navigation bar that stays visible while scrolling.**  
**Smooth navigation through section links: Home, About, Projects, Contact.**  
**Hover effects on links for better user interaction.**

## 2. Hero Section

**Full-screen welcome banner with gradient background.**  
**Personal introduction (name + short tagline).**  
**Call-to-action button ("View My Work") that scrolls to the projects section.**

## 3. About Section

**Profile photo (circular with border).**  
**Personal bio text describing skills, passion, and expertise.**  
**Responsive layout using Flexbox for mobile and desktop.**

## 4. Projects Section

**Project cards arranged in a responsive grid.**  
**Each card contains a project title and description.**  
**Hover effect on cards (slight lift-up animation).**  
**Layout adjusts automatically for different screen sizes.**

# FEATURES AND FUNCTIONALITY

## 5. Contact Section

**Contact form with fields: Name, Email, and Message.**

**Form validation (all fields required).**

**JavaScript functionality: shows an alert thanking the user by name after form submission.**

## 6. Footer

**Simple footer with copyright notice.**

**Consistent dark theme to match the header.**

## 7. Responsive Design

**Uses CSS Flexbox and Grid for responsiveness.**

**Website adjusts layout for mobile, tablet, and desktop screens.**

## 8. Interactivity

**Button hover effects for better user experience.**

**Navigation link hover color change.**

**JavaScript-based alert message on form submission.**



# RESULTS AND SCREENSHOTS

## My Portfolio

- [Home](#)
- [About](#)
- [Projects](#)
- [Contact](#)

Hello, I'm M.PRAGALYA

I'm a web developer passionate about building clean, modern, and responsive websites.

[View My Work](#)

## About Me



Hello! I am a passionate web developer with experience in HTML, CSS, and JavaScript. I enjoy turning ideas into reality in the browser and creating user-friendly web applications.

## Projects

### Project One

A description of your project goes here. Add screenshots or links.

### Project Two

A description of your project goes here. Add screenshots or links.

### Project Three

A description of your project goes here. Add screenshots or links.

## Contact Me

<input type="text" value="Your Name"/>	<input type="text" value="Your Email"/>
<input type="text" value="Your Message"/>	<input type="button" value="Send Message"/>



# CONCLUSION

**This project successfully demonstrates the design and development of a personal portfolio website using HTML, CSS, and JavaScript. The website provides a clean and responsive layout that allows easy navigation across different sections, including Home, About, Projects, and Contact.**

**The project highlights essential web development skills such as structured content creation (HTML), styling and responsive design (CSS), and interactive functionality (JavaScript). It serves as an effective platform to showcase professional details, personal skills, and projects in an engaging manner.**

**By building this portfolio website, the objective of creating a modern, user-friendly, and interactive online presence has been achieved. This project not only improves personal branding but also demonstrates the practical application of front-end web development concepts.**

# GITHUB LINK



<https://github.com/pragalya26/TNSDC-FWD-DP1.git>

