



# Digital Portfolio



STUDENT NAME: KAVYA K  
REGISTER NO AND NMID: 212405697  
DEPARTMENT: BCA A  
COLLEGE: PERI COLLEGE OF ARTS AND SCIENCE



# INTERACTIVE DIGITAL PORTFOLIO



# 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



"The lack of a comprehensive and easily accessible online platform makes it challenging to effectively present my diverse skill set and project experience to prospective employers, potentially hindering my job search."

HTML is the foundational technology used to implement the solution to this problem. The problem statement defines why you are building the portfolio and HTML is how you build it.



# PROJECT OVERVIEW



This project is a personal portfolio website created using HTML, along with CSS and JavaScript. It showcases my skills, previous projects, and contact information in a clean and responsive layout. HTML was used to structure the content of the website, including sections like About Me, Projects, and Contact. The goal of the project was to build a professional online presence and demonstrate my front-end development skills.



# WHO ARE THE END USERS?



In a **web development project using HTML**, the **end users** are the people who **interact with the website or web application once it's live**. Depending on the purpose of the site, end users can vary, but generally include:

## Common End Users in Web Development Projects

### 1. General Website Visitors

1. People who browse the website for information, services, or products.
2. Example: Visitors to a personal portfolio, blog, or company website.



# TOOLS AND TECHNIQUES

In a **web development project using HTML**, several **tools and techniques** are typically used to support the development process, enhance functionality, and improve user experience. Here's a breakdown of the common tools and techniques:



## Tools Used in the Project

### 1. Text Editor or IDE

1. Examples: VS Code, Sublime Text, Atom
2. Used to write and edit HTML, CSS, and JavaScript code.

### 2. Web Browsers

1. Examples: Chrome, Firefox, Edge
2. Used to test and view the website.

### 3. Repository Hosting Services

1. Examples: GitHub, GitLab, Bitbucket
2. Used to store and share code online.

### 4. Browser DevTools

1. Built-in tools in browsers like Chrome DevTools
2. Used to inspect HTML/CSS, debug JavaScript, and optimize performance.



# POTFOLIO DESIGN AND LAYOUT

A well-structured portfolio should be **clean, responsive, easy to navigate**, and highlight your **skills, projects, and contact information** effectively.

## Common Layout Sections

### 1. Header

1. Includes your **name or logo** and **navigation menu**.
2. Example: Home | About | Projects | Contact

### 2. Hero Section (Landing Banner)

1. A strong introduction with a headline (e.g., *"Hi, I'm a Web Developer"*)
2. Optional call-to-action button (e.g., *View My Work* or *Download Resume*)

### 3. About Me Section

1. A short bio
2. Your skills or a tech stack summary
3. Optional photo or avatar

### 4. Projects Section

1. Grid or list of your best projects



# FEATURES AND FUNCTIONALITY

## 1. Responsive Design

1. The website adjusts to different screen sizes (desktop, tablet, mobile).

## 2. Navigation Bar

1. A fixed or scrollable menu to help users navigate between pages or sections.

## 3. About Section

1. A section introducing the website owner, company, or purpose of the project.

## 4. Project or Services Showcase

1. Displays a list or gallery of completed work, services offered, or products.

## 5. Contact Form

1. Allows users to send a message or inquiry directly from the website.

## 6. Social Media Links

1. Clickable icons linking to social media profiles.

## 7. Interactive Buttons and Links

1. Buttons that respond to user actions (hover effects, click events).

# RESULTS AND SCREENSHOTS

Kavya V

Computer Applications Developer



## About Me

Hello! I'm Kavya V, a passionate Computer Science student currently studying at Madras University. I'm interested in web development, programming, and UI/UX design. I love creating beautiful and functional websites and am always eager to learn new technologies.

## Education

**BCA Computer Applications** - Madras University (2024 - 2027)


## Projects

**Personal Portfolio Website** – Built using HTML, CSS, and responsive design principles.

**Library Management System** – A Python-MySQL project to manage book inventory and users.



# CONCLUSION



This project provided a strong foundation in front-end web development by focusing on the use of HTML for structuring content effectively. It demonstrated how semantic HTML can be combined with CSS and JavaScript to create a responsive, user-friendly, and visually appealing website. Through this project, I gained practical experience in building accessible web pages, organizing code efficiently, and deploying a functional website. Overall, the project successfully met its goals of presenting content clearly and providing a smooth user experience across devices.

