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## WEEK3

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### **1. Project Overview and Objectives**

The Interactive Portfolio Website is designed to showcase the skills, projects, and contact information of the developer in a visually appealing and interactive way. The project demonstrates proficiency in **HTML, CSS, and JavaScript**, with added features like dark mode, skill animations, form validation, and a to-do list.

#### **Objectives:**

- Create a modern, responsive, and interactive portfolio.
  - Showcase technical skills (HTML, CSS, JavaScript).
  - Implement dynamic elements to enhance user experience.
  - Provide easy access to contact information and resume download.
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### **2. Setup and Installation Instructions**

#### **Requirements:**

- A web browser (Chrome, Firefox, Edge, etc.)
- Text editor or IDE (VS Code recommended)

#### **Steps to run the project:**

1. Download or clone the project repository from GitHub.
2. Ensure the folder structure is maintained:

```
project-folder/
    └── index.html
    └── style.css
    └── script.js
    └── images/profile.jpg,project1.jpg,project2.jpg,project3.jpg
    └── resume.pdf
    └── screenshots/
        • HomePage,
```

- AboutSection,
- SkillsSection,
- ImageGallery,
- ToDoList,
- ContactSection
- DarkMode

3. Open index.html in your browser.
4. The website will display all sections (About, Skills, Contact) with full functionality.

**Optional:**

- Use a local server in VS Code (Live Server extension) to view changes live.
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### 3. Code Structure Explanation

#### HTML (index.html):

- **Header:** Displays name, typing effect, navigation links, and dark mode toggle.
- **About Section:** Includes profile image, introduction, and resume download button.
- **Skills Section:** Displays skills with animated progress bars and tooltips.
- **Contact Section:** Form for user messages and a card with contact information.
- **Footer:** Copyright information.

#### CSS (style.css):

- **Reset & base styling:** Ensures consistent layout across browsers.
- **Layout & alignment:** Flexbox and responsive design for all sections.
- **Animations & Interactivity:** Hover effects, skill progress animations, smooth scrolling.
- **Dark Mode:** Toggle switch changes website theme using .dark-mode class.

#### JavaScript (script.js):

- **Typing Effect:** Dynamically types “Beginner Web Developer | HTML | CSS | JavaScript” in header.
- **Dark Mode Toggle:** Saves preference in localStorage to persist user choice.

- **Skill Animation & Tooltip:** Animates progress bars on scroll and shows skill descriptions on hover.
  - **Contact Form Validation:** Checks for empty fields, valid email, and minimum message length before submitting.
  - **To-Do List (Optional Feature):** Allows adding, completing, and removing tasks with localStorage support.
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#### 4. JavaScript Features Implemented

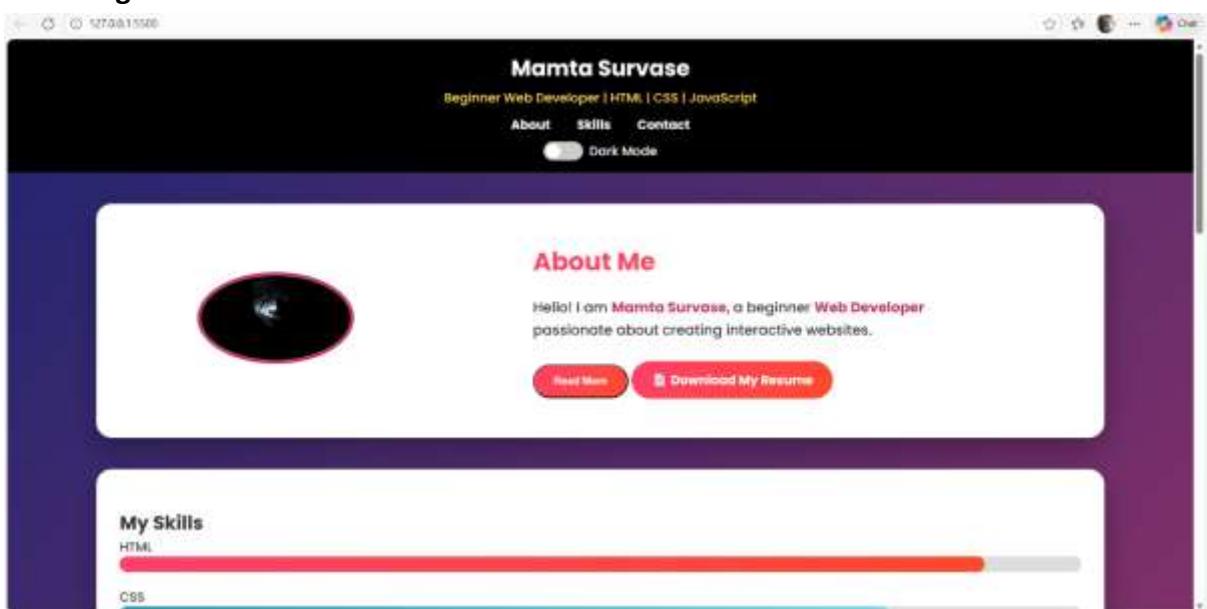
1. **Typing Animation:** Creates a dynamic header text that simulates typing.
  2. **Dark Mode Toggle:** Switches between light and dark themes and remembers preference using localStorage.
  3. **Skill Animation:** Animates skill bars on scroll to show proficiency levels.
  4. **Skill Tooltip:** Displays small description when hovering over each skill.
  5. **Contact Form Validation:**
    - Ensures all fields are filled.
    - Checks for a valid email address format.
    - Enforces minimum message length (10 characters).
    - Displays success or error messages dynamically.
  6. **Interactive To-Do List (Optional):**
    - Add, delete, mark tasks complete.
    - Stores tasks in localStorage to persist data.
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#### 5. Interactive Elements

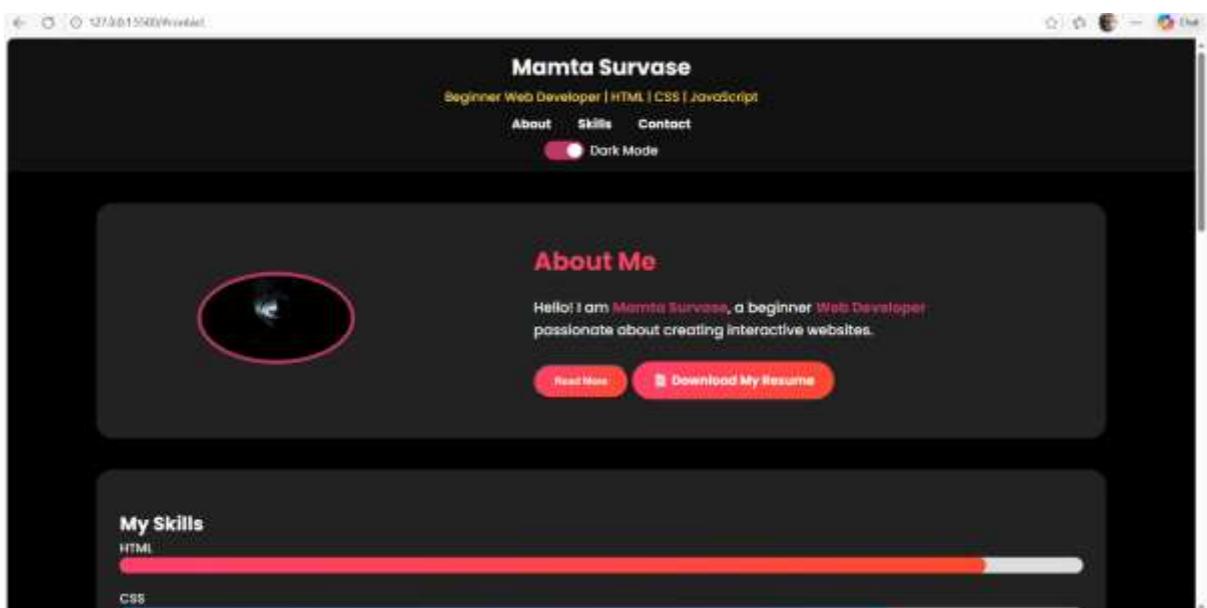
- **Navigation Links:** Smooth scrolling to About, Skills, and Contact sections.
- **Hover Animations:** Sections, buttons, images scale and highlight on hover.
- **Resume Button:** Downloadable resume in PDF format.
- **Skill Bars & Tooltips:** Progress bars animate and show descriptions dynamically.
- **Dark Mode Switch:** Interactive toggle changes website theme.
- **To-Do List:** Full interactivity with add/remove/complete functionality.

## 7. Screenshots

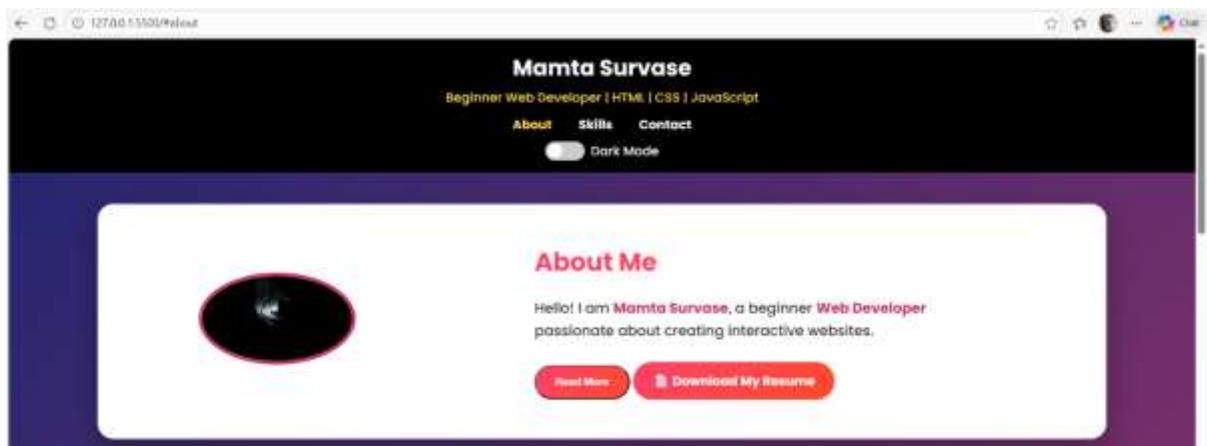
### HomePage



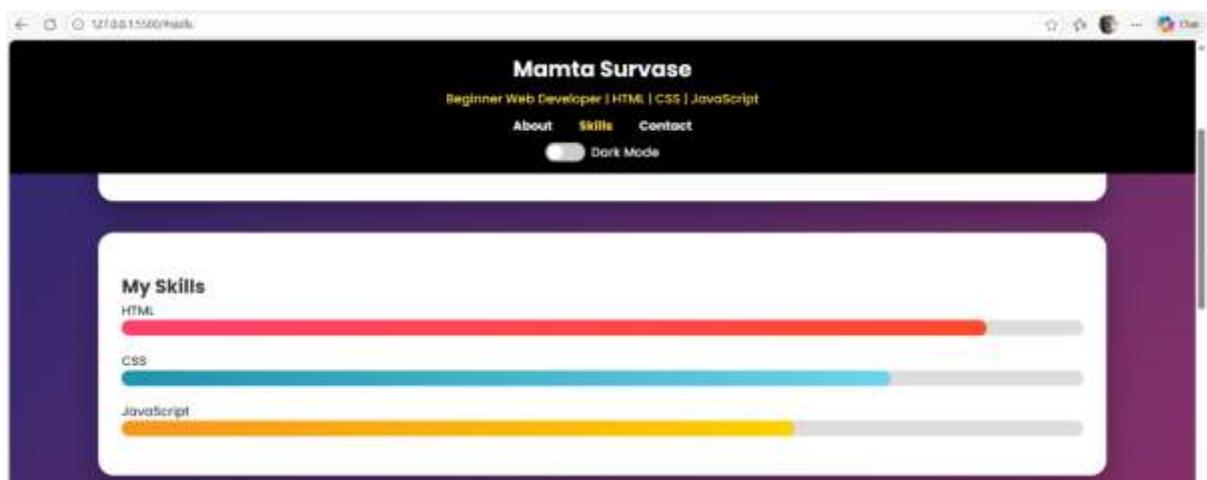
### DarkMode



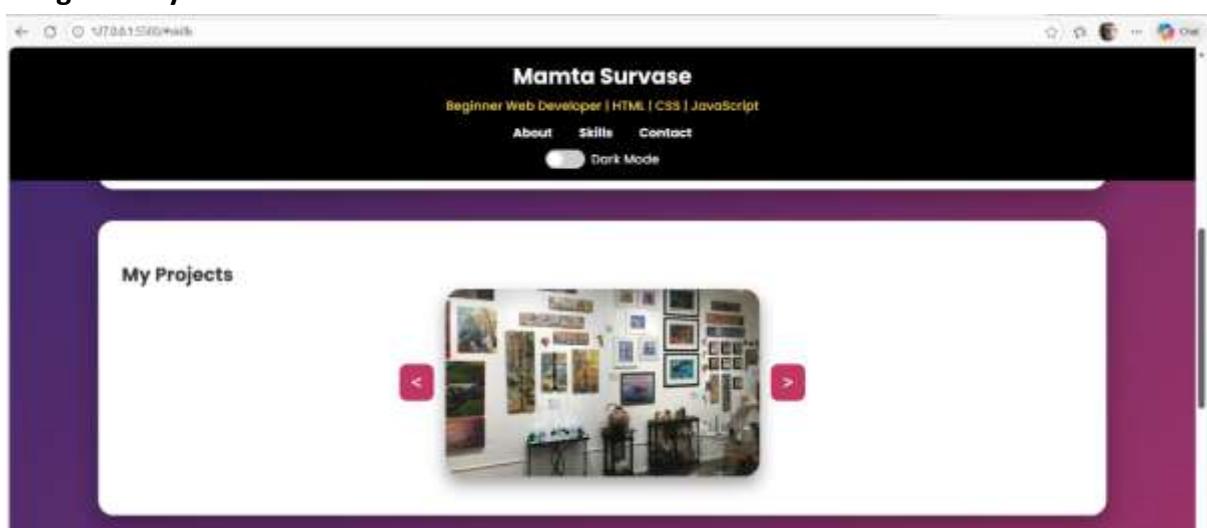
## AboutSection



## SkillsSection



## ImageGallery



## ToDoList

The screenshot shows a dark-themed web page titled "Mamta Survase". At the top, it says "Beginner Web Developer | HTML | CSS | JavaScript" and features navigation links for "About", "Skills", and "Contact". A "Dark Mode" toggle switch is also present. Below the header, there's a heading "My To-Do List" and a form field with placeholder text "Add a task". A red "Add" button is located below the input field. Three items are listed in the todo list: "HTML practice", "CSS animations", and "JavaScript functions", each with a small red "X" icon to its right.

## ContactSection

The screenshot shows a dark-themed web page titled "Mamta Survase". The layout is similar to the previous section, with the developer's name at the top and "Beginner Web Developer | HTML | CSS | JavaScript" below it. The "Contact" link in the navigation bar is highlighted. The main content area contains a "Contact Me" form with fields for "Your Name", "Your Email", and "Your Message", along with a "Send Message" button. To the right of the form is a red box containing contact information: "Reach Me At" followed by an email address (mamta@example.com), a phone number (+91 1234567890), a LinkedIn link (https://www.linkedin.com/in/mamta/), and a location (Pune, India). At the bottom of the page, a success message "Message Sent Successfully" is displayed, accompanied by a green checkmark icon. The footer contains the copyright notice "© 2020 Mamta Survase | Portfolio Website".

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## 7. Technical Requirements Met

- External CSS and JavaScript files linked properly.
  - Responsive design using Flexbox and media queries.
  - JavaScript features implemented: typing effect, dark mode, skill animation, tooltip, form validation, and to-do list.
  - Interactive elements enhance user experience.
  - LocalStorage implemented for dark mode and to-do list persistence.
  - Smooth scrolling and hover animations included.
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### Conclusion:

This project demonstrates a beginner web developer's understanding of **HTML, CSS, and JavaScript**. Interactive features make the website dynamic, and the design ensures a professional and attractive presentation of skills and contact information.