**PROJECT – 2 :** PERSONAL PORTFOLIO

**AIM :** To create a “Portfolio website” which provides the information regarding me, that includes my educational qualifications, my skills, my projects and also my contact information. This portfolio website better portrays my skills and promotes me as a professional.

**SKILLS REQUIRED :** HTML, CSS, Responsiveness, UX Design

**EDITOR USED :** Visual Studio Code (VS Code) – Windows x64 Bit

**Personal Portfolio Website Documentation**

**Overview:**

This documentation provides a detailed description of a personal portfolio website developed using HTML and CSS. The website consists of the following main pages:

1. Home Page

2. About Me Page

3. Projects Page

4. Contact Page

Each page includes specific subsections and design elements styled using CSS. This documentation also discusses the use of hyperlinks for social media handles on the contact page and the challenges faced while creating an interactive navigation bar in the header.

**Home Page :**

The home page serves as the introductory section of the portfolio website. It includes the following subsections:

***1. Introduction Section***

- Purpose: Briefly introduces the website owner.

- Design Elements:

- A large, welcoming header with a professional photograph.

- A concise tagline or mission statement.

- Styled with a prominent font and color scheme to grab attention.

***2. Recent Work Highlights***

- Purpose: Showcases a few selected projects or accomplishments.

- Design Elements:

- Thumbnails or screenshots of projects.

- Short descriptions with links to the detailed project pages.

- A responsive grid layout ensuring proper display on various devices.

***3. Call to Action***

- Purpose: Encourages visitors to explore further.

- Design Elements:

- A button or link directing to the projects page.

- Styled with hover effects to make it interactive.

**About Me Page :**

The about me page provides a detailed overview of the website owner's background, skills, and experiences.

***1. Biography Section***

- Purpose: Offers a detailed introduction and personal history.

- Design Elements:

- Paragraphs describing educational background, work experience, and personal interests.

- Styled with consistent font and spacing for readability.

***2. Skills and Expertise***

- Purpose: Highlights key skills and proficiencies.

- Design Elements:

- List or infographic style presentation of skills.

- Progress bars or rating systems to visually represent proficiency levels.

***3. Professional Timeline***

- Purpose: Displays the career trajectory.

- Design Elements:

- Timeline layout with dates and descriptions of significant milestones.

- CSS animations to make the timeline interactive.

**Projects Page:**

The projects page showcases the website owner's work in detail.

***1. Project Listings***

- Purpose: Lists individual projects with brief descriptions.

- Design Elements:

- Thumbnail images and project titles.

- Grid or list layout for organized display.

***2. Detailed Project Descriptions***

- Purpose: Provides comprehensive details about each project.

- Design Elements:

- Dedicated sections for each project including descriptions, technologies used, and links to live demos or repositories.

- Consistent styling to maintain uniformity across the page.

***3. Filter/Sort Options***

- Purpose: Allows visitors to filter or sort projects based on categories or technologies.

- Design Elements:

- Dropdown menus or buttons for filtering.

- CSS transitions for smooth user experience.

**Contact Page:**

The contact page facilitates communication between the website owner and visitors.

***1. Contact Form***

- Purpose: Enables visitors to send messages directly.

- Design Elements:

- Form fields for name, email, subject, and message.

- Styled buttons for form submission with hover effects.

***2. Social Media Links***

- Purpose: Provides direct links to social media profiles.

- Design Elements:

- Icons or buttons for each social media platform (LinkedIn, GitHub, Twitter, etc.).

- Styled with CSS to change color or animate on hover for interactivity.

***3. Contact Information***

- Purpose: Displays additional contact details.

- Design Elements:

- Phone number and email address.

- Consistent font and alignment with the rest of the page for a cohesive look.

**Hyperlinks for Social Media Handles:**

The social media links on the contact page use icons or text hyperlinks that redirect to the respective social media profiles. These hyperlinks are styled to:

- Change color on hover to indicate interactivity.

- Possibly include icons sourced from a font library like Font Awesome.

- Include appropriate `target="\_blank"` attributes to open links in new tabs.

**Challenges Faced in Interactive Navigation Bar:**

Creating an interactive navigation bar posed several challenges:

***1. Responsiveness***

- Challenge: Ensuring the navigation bar is responsive and works well on various screen sizes.

- Solution: Utilized CSS media queries to adjust the layout for mobile, tablet, and desktop views.

***2. Hover and Active States***

- Challenge: Designing hover and active states for navigation links that are visually appealing and provide feedback to the user.

- Solution: Applied CSS pseudo-classes like `:hover` and `:active` to style links differently when interacted with.

***3. Dropdown Menus***

- Challenge: Implementing dropdown menus for sub-sections within the navigation bar.

- Solution: Used CSS positioning and transitions to create smooth, accessible dropdowns.

***4. Cross-Browser Compatibility***

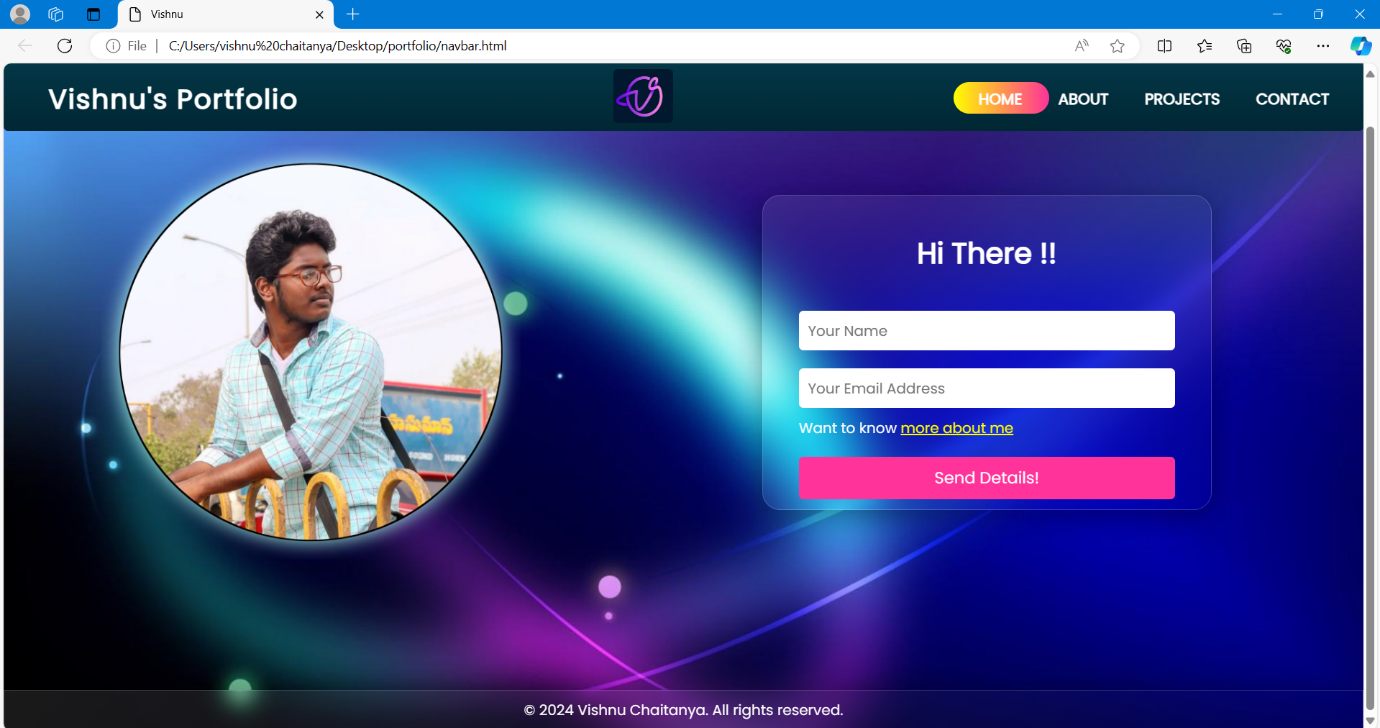
- Challenge: Ensuring the navigation bar looks and functions correctly across different web browsers.

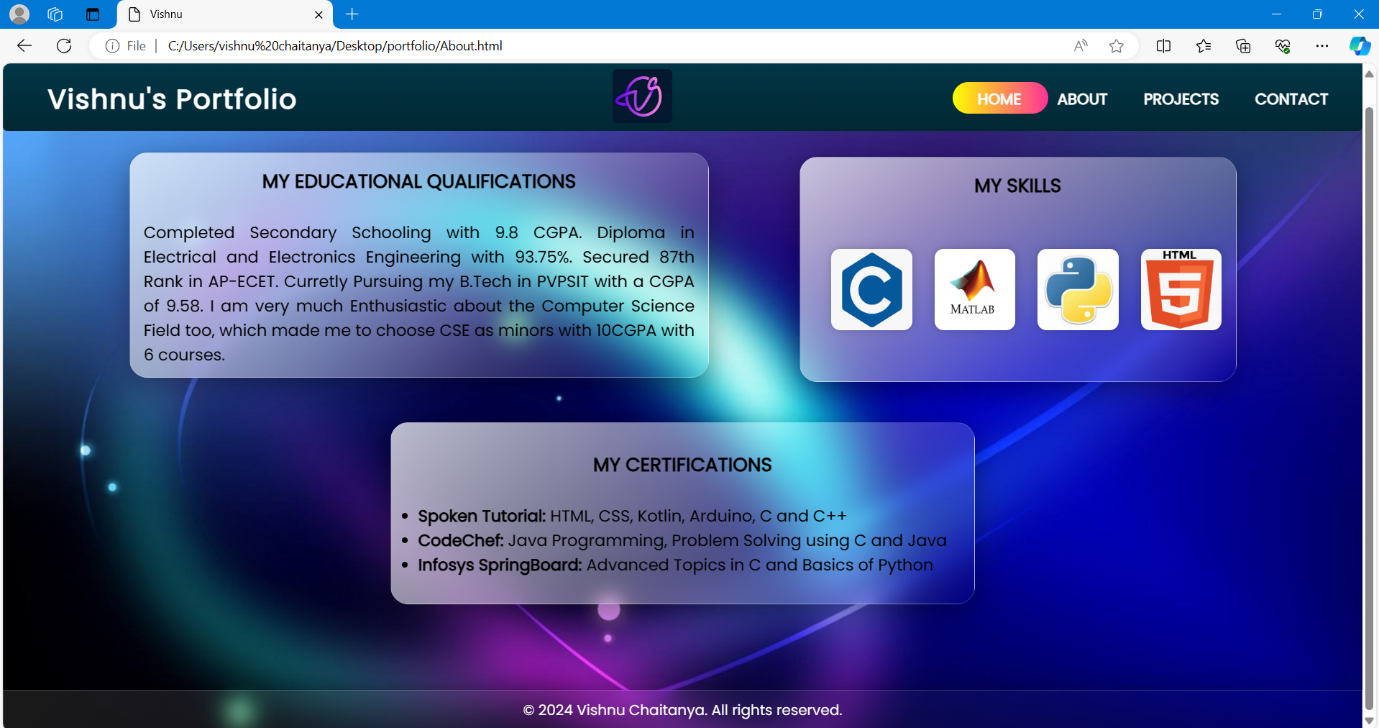
- Solution: Conducted thorough testing and utilized vendor prefixes to handle browser-specific issues.

**Conclusion:**

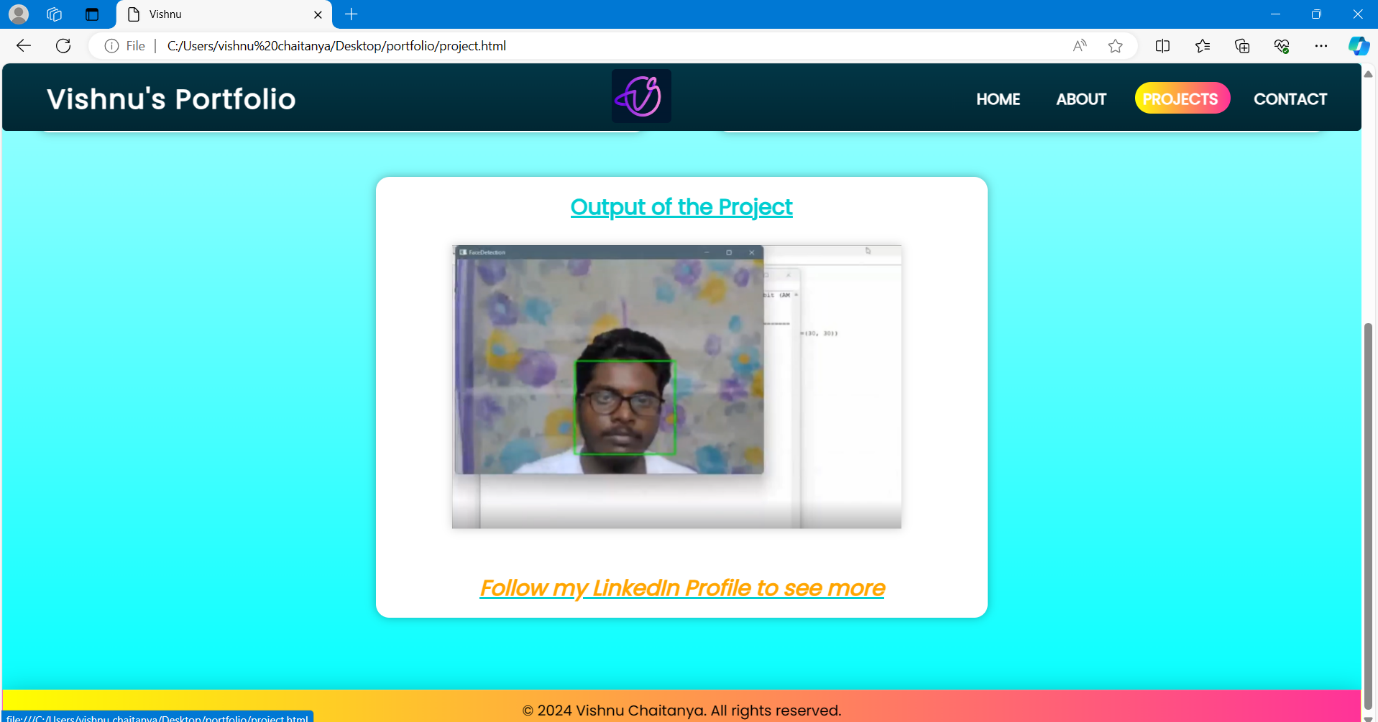
This documentation outlines the structure, design, and features of a personal portfolio website built with HTML and CSS. Each page is designed with specific subsections to provide a comprehensive and visually appealing user experience. The inclusion of social media hyperlinks and the development of an interactive navigation bar are key components, despite the challenges faced in achieving responsiveness and cross-browser compatibility.

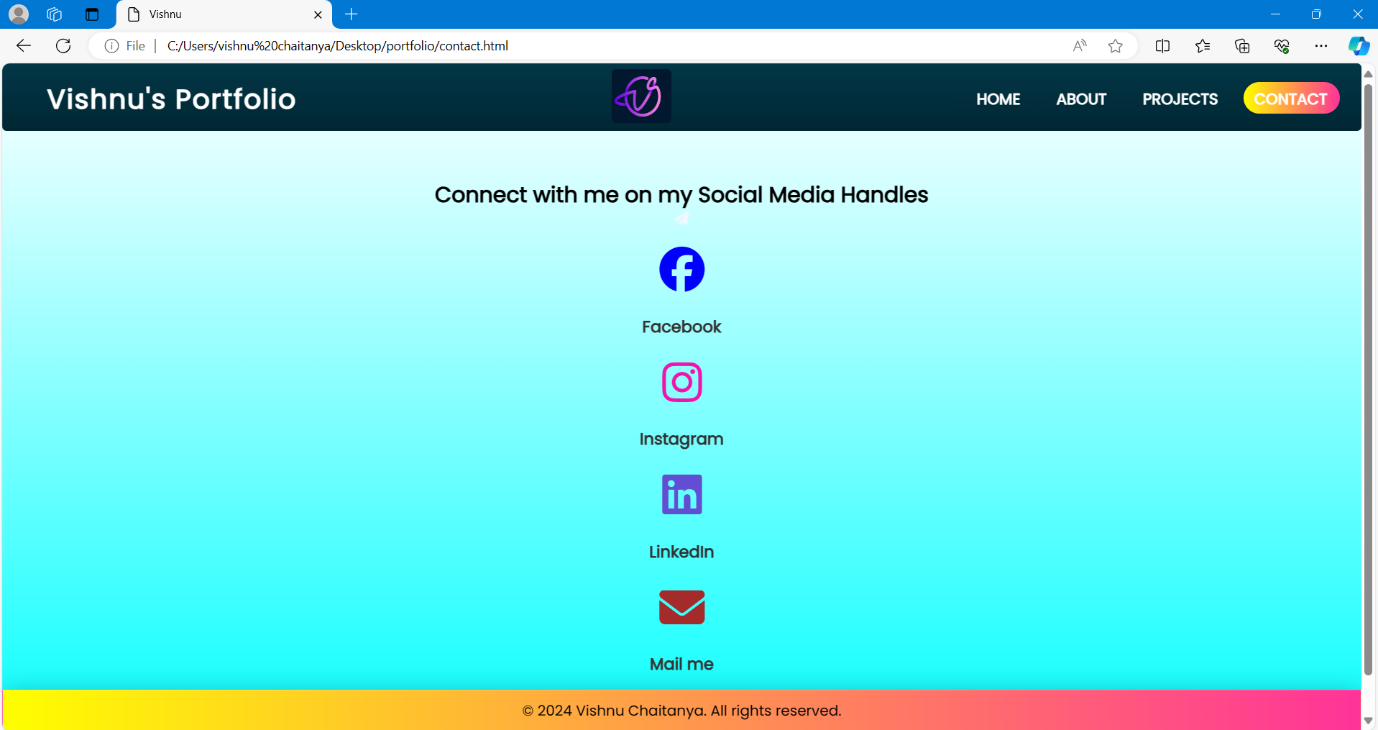
**OUTPUTS:**

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