

Front-End UI/UX Project

Project Title: Responsive Portfolio Website

Submitted By:

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Course: UI/UX Design Fundamentals

Instructor Name: Dr. Narendra Prasad

Institution: Christ University

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2. Abstract

The Personal Portfolio Website is a dynamic, multi-page web project built solely with HTML5 and CSS3. It effectively highlights a user's profile, skills, projects, and contact information in a well-organized and easy-to-navigate format. The design incorporates semantic HTML tags, CSS Flexbox/Grid layouts, and media queries to ensure responsiveness. The objective was to establish a professional personal brand website without the use of JavaScript or any external libraries.

3. Objectives

- Design user-friendly interfaces using modern UI principles.
- Develop fully responsive layouts using only HTML and CSS.
- Implement structured HTML5 semantic elements.
- Apply CSS styling for branding, layout, and responsive behavior.
- Ensure accessibility and readability across devices.

4. Scope of the Project

- Entirely focused on front-end design.
- No JavaScript or server-side integration.
- Designed for desktop, tablet, and mobile viewports.
- Only open-source tools and pure HTML/CSS (no libraries).

Tools & Technologies Used

Tool / Technology	Purpose
HTML5	Markup and content structure
CSS3	Styling and layout management
VS Code	Code editor
Chrome DevTools	Testing and debugging

6. HTML Structure Overview

- Used semantic tags: <header>, <nav>, <main>, <section>, <article>, <footer>.
- Pages include Home, About Me, Projects, Contact.
- Navigation menus use with anchor links for smooth scrolling.

7. CSS Styling Strategy

- Used external CSS files (style.css).
- Organized with comments and sections for easy maintenance.
- Techniques used:
 - Flexbox and Grid for layout
 - Media Queries for responsiveness
 - CSS variables for theme customization
 - Hover effects and transitions
 - Mobile-first design approach

8. Key Features

Feature	Description
Responsive Design	Adapts seamlessly to all screen sizes
Smooth Navigation	Fixed top navigation with anchor links
Project Cards	Flex/Grid layouts with hover effects
Contact Form (non-functional)	Placeholder inputs and button layout
Accessible Fonts & Colors	High contrast and readable typography

9. Challenges Faced & Solutions

Challenge	Solution
Overlapping elements on small screens	Used media queries to stack elements
Difficulty aligning items using float	Switched to Flexbox and Grid
Typography scaling issues	Used relative units (em/rem) instead of px

10. Outcome

- Achieved clean, consistent, and visually engaging front-end.
- All components function as intended using only HTML and CSS.
- Gained hands-on experience with layout responsiveness, and UI hierarchy.

11. Future Enhancements

- Add JavaScript for interactivity (form validation, dynamic content).
- Integrate animations or transitions.
- Backend integration for contact form submission.
- Theme toggle (light/dark mode).

12. Sample Code

Body Code for Main Page:

```
<body>

  <header class="navbar">

    <div class="nav-left">

      <span class="dot"></span>

      <span class="name">Team Phoenix</span>

    </div>

    <nav class="nav-links">

      <a href="index.html" class="active">Home</a>
```

```
<a href="about/index.html">About</a>

<a href="projects/index.html">Projects</a>

<a href="contact/index.html">Contact</a>
```

```
</nav>
```

```
</header>
```

```
<section class="hero">
```

```
<div class="hero-inner">
```

```
<div class="hero-text">
```

```
<h1>Building clean, modern, and accessible web experiences</h1>
```

```
<p class="lead">
```

```
  We are Team Phoenix, passionate about crafting performant interfaces
  with a focus on clean design, semantics, and usability.
```

```
</p>
```

```
<div class="cta">
```

```
<a href="projects/index.html" class="btn primary">View Projects</a>
```

```
<a href="contact/index.html" class="btn outline">Contact Us</a>
```

```
</div>
```

```
</div>
```

```
<div class="hero-card">
```

```

```

```
</div>
```

```
</section>
```

```
<section class="page">
```

```
<h2>Our Core Strengths</h2>
```

```
<div class="grid" style="margin-top: 16px;">
```

```
<div class="project-card" style="padding: 20px;">
```

```
<h3>Responsive Design</h3>
```

```
<p>Optimized layouts that adapt seamlessly to any screen size.</p>
```

```
</div>
```

```
<div class="project-card" style="padding: 20px;">
```

```
<h3>Clean Code</h3>
```

```
<p>Readable, maintainable, and scalable codebase with best practices.</p>
```

```
</div>
```

```
<div class="project-card" style="padding: 20px;">
```

```
<h3>Team Collaboration</h3>
```

```
<p>Strong coordination to deliver high-quality results on time.</p>
```

```
</div>
```

```
</div>
```

```
</section>
```

```
<section class="page" style="margin-top: 60px;">
```

```
<h2>Meet the Team</h2>
```

```
<div class="grid" style="margin-top: 40px;">
```

```
<div class="project-card" style="text-align: center; padding: 50px;">
```

```
Jewin</h3>
```

```
<p>Front-End Developer</p>
```

```
</div>
```

```
<div class="project-card" style="text-align: center; padding: 50px;">
```

```
Albert</h3>
```

```

    <p>Front-End Developer</p>
  </div>

  <div class="project-card" style="text-align: center; padding: 50px;">

    <h3>Alvin</h3>

    <p>Front-End Developer</p>

  </div>

</div>

</section>

<footer class="site-footer">

  <p> 2025 Team Phoenix.</p>

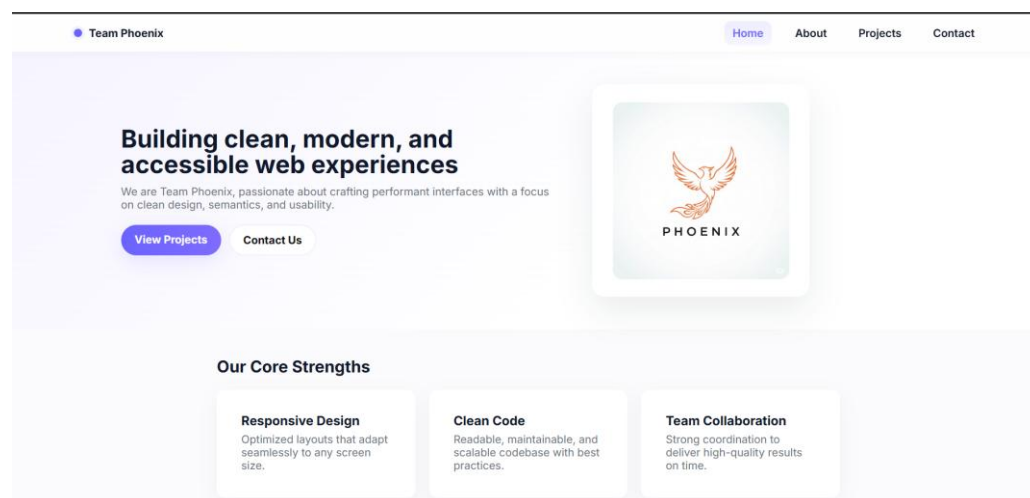
</footer>

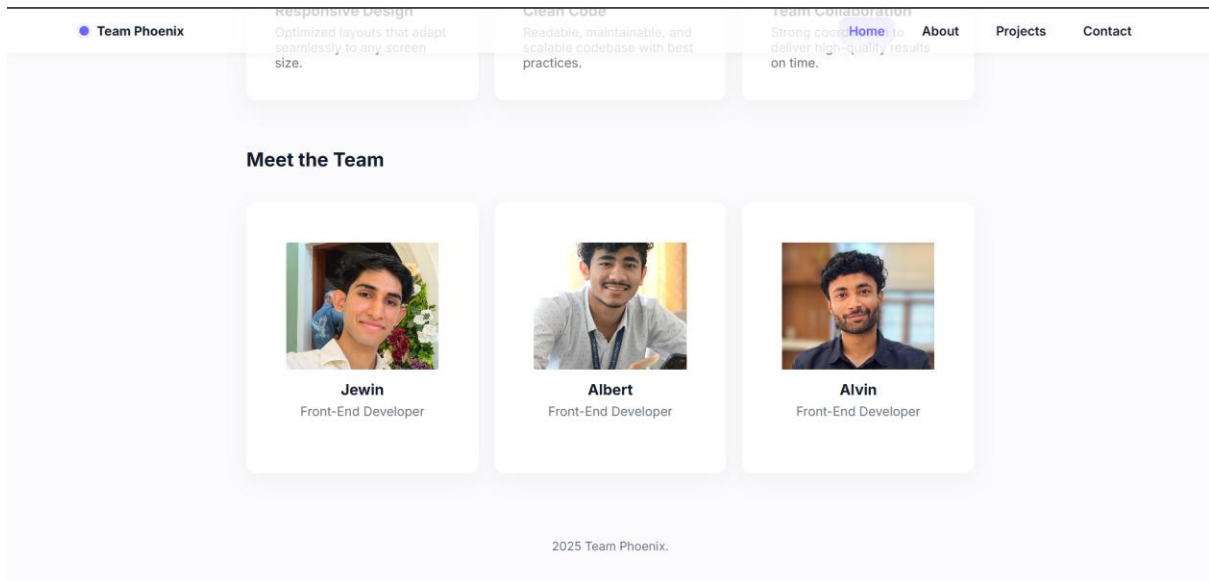
</body>

```

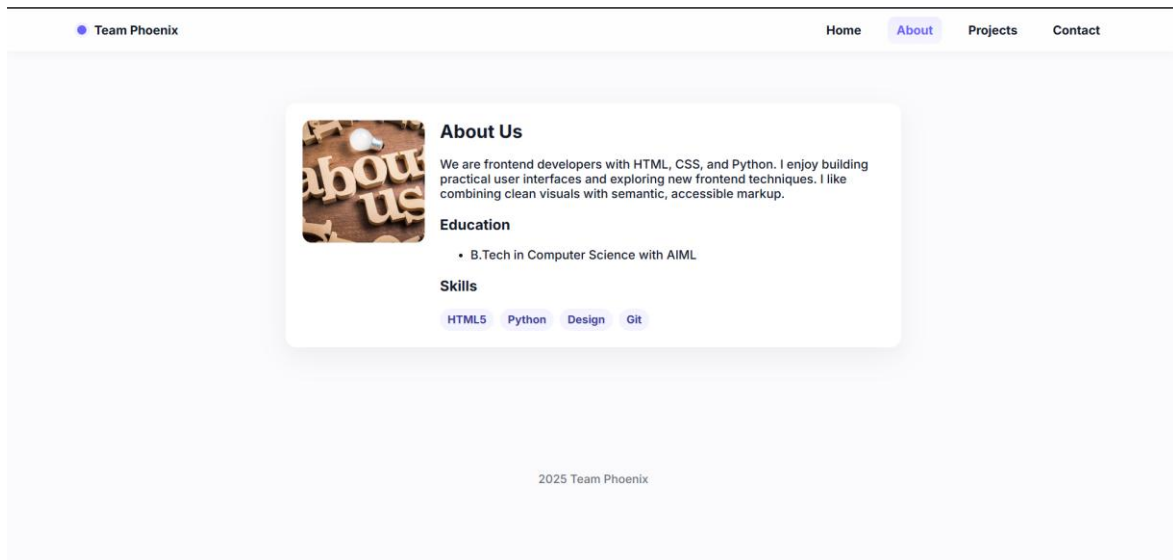
13. Screenshots of Final Output

1.Home Page(Desktop View)

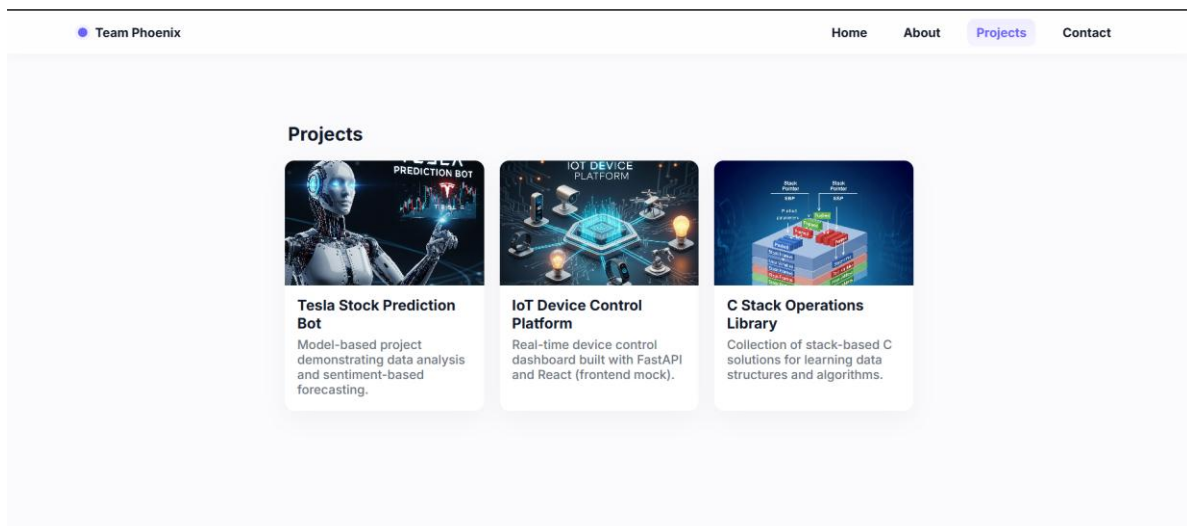




2.About Page(Desktop View)



3.Projects Page(Desktop View)



4.Contact Page(Desktop View)

Team Phoenix

HomeAboutProjectsContact

Get in Touch

Have a question or want to work together? Drop a message below.

Name

Email

Message

Send Message

Email id:

alvin.aju@btech.christuniversity.in

albert.john@btech.christuniversity.in

jewin.jinson@btech.christuniversity.in

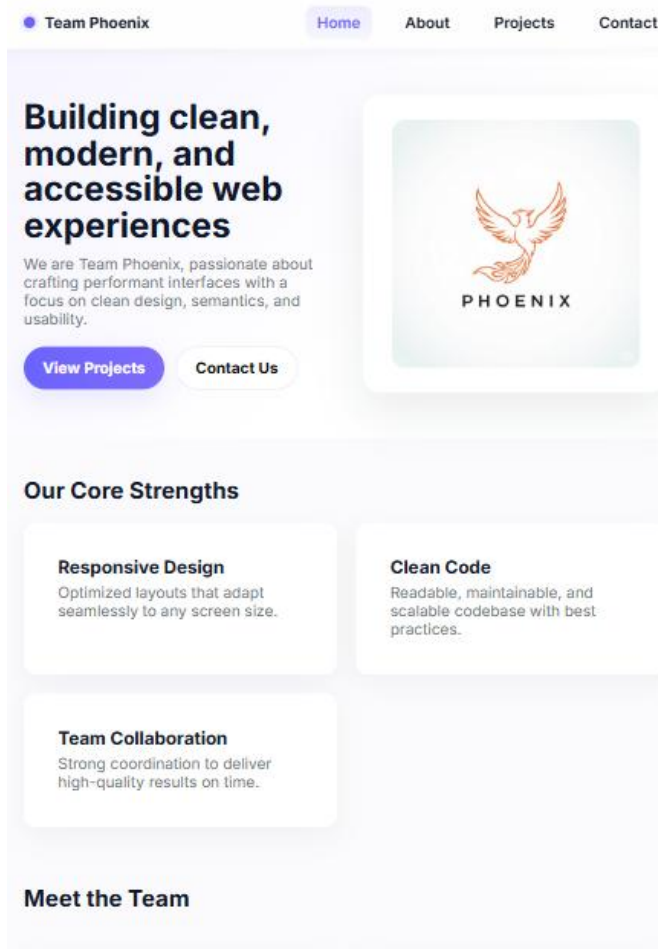
github:

jewinjinson43@gmail.com

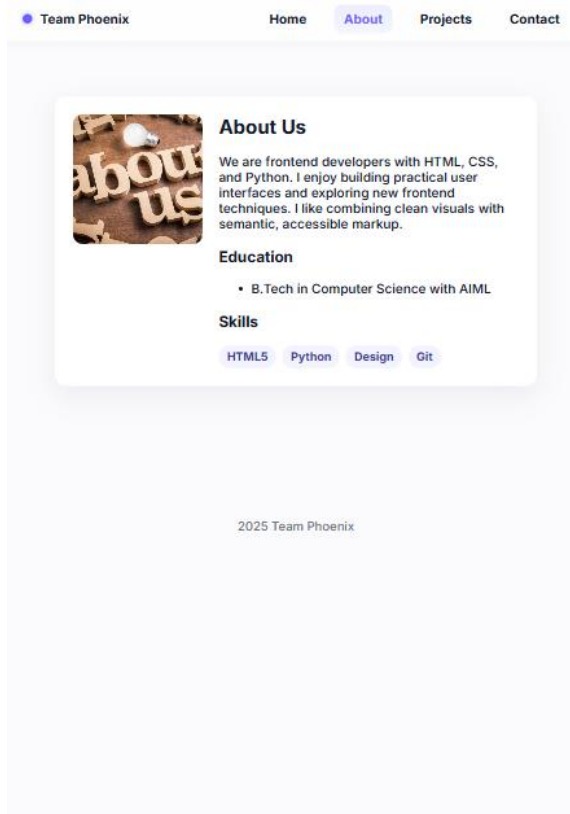
albertjohn1639@gmail.com

alvinat25@gmail.com

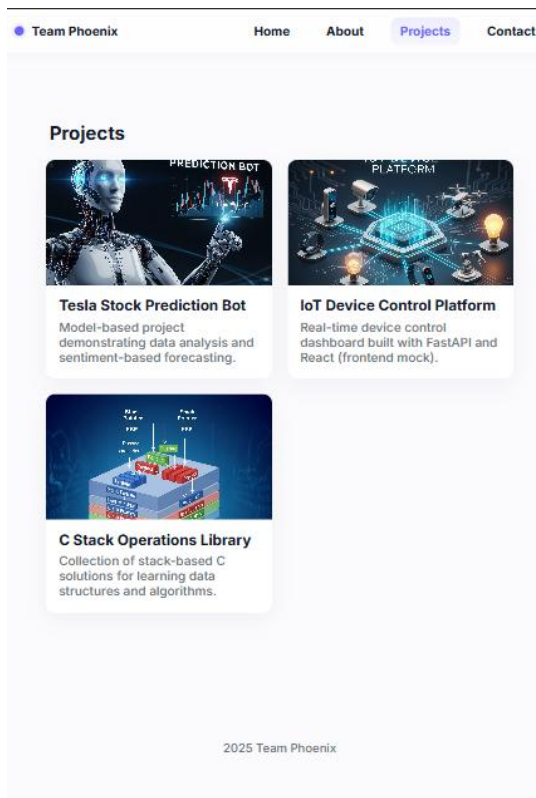
1.Home Page(Mobile View)



2.About Page(Mobile View)



3.Projects Page(Mobile View)



4. Contact Page(Mobile View)

Team Phoenix Home About Projects Contact

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Have a question or want to work together? Drop a message below.

Name

Email

Message

Send Message

Email id:

- alvin.aju@btech.christuniversity.in
- albert.john@btech.christuniversity.in
- jewin.jinson@btech.christuniversity.in

github:

- jewinjinson43@gmail.com
- albertjohn1639@gmail.com
- alvinat25@gmail.com

2025 Team Phoenix

14. Conclusion

This mini project strengthened our front-end development skills using only HTML and CSS. We practiced creating responsive designs, maintaining layout consistency, and applying design principles to real-world use cases. Both projects enhanced our understanding of semantic HTML, CSS layout systems, and user-centric web design.

15. References

- **L&T LMS:** <https://learn.intedutech.com/Landing/MyCourse>