Portfolio Development Project

This website was created entirely by me over the course of 23 working hours, with the goal of presenting a polished, professional online presence. It's a place where anyone can get to know who I am, what I've learned, and where I'm headed in my career. I approached the build of this portfolio like I would any professional project: with clear goals, organized structure, and thoughtful design.

Project Goals

- Showcase my education, skills, projects, and experience in a user-friendly format.
- Use simple design and navigation so anyone can easily find information.
- Build everything myself to demonstrate ownership and understanding of the process.

Tools I Used

- **HTML** – The markup language that defines the content and structure of each webpage.
- **Tailwind CSS** – A utility-first CSS framework that lets me apply styling like padding, color, font size, and responsiveness directly through class names in the HTML.
- **VS Code** – A modern code editor with helpful extensions, live preview tools, and Git integration.
- **GitHub** – A platform for version control and collaboration. I use it to back up my code and will host this portfolio publicly using GitHub Pages.

What's On the Site?

Each page of this portfolio serves a specific purpose. Here's a quick guide to what you'll find:

- **Home:** Welcome and brief intro
- **Resume:** My experience and qualifications
- **Cover Letter:** A tailored letter for a data-related job
- **Elevator Pitch:** A short introduction to who I am
- **Blog:** Short posts about topics I'm passionate about
- **Projects:** This page, documenting how I built everything

- **Reflection:** Thoughts on what I learned and where I'm going

How I Built It

Each page is a standalone HTML file. I wrote the content, used Tailwind to apply styling classes, and organized them with semantic HTML tags like <header>, <main>, and <footer>. For example:

<section class="bg-white rounded-xl shadow-md p-6 mb-8">

<h3 class="text-2xl font-bold mb-4">Section Title</h3>

Your content goes here...

</section>

This structure is repeated to maintain layout consistency and make content easy to read and navigate. I also used Git for version tracking as I iterated and improved the site.

Technical Highlights

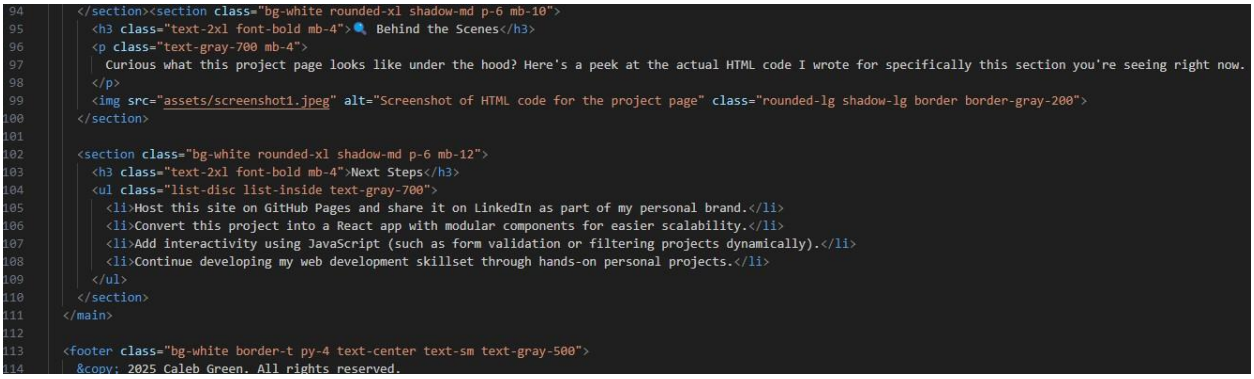
- **Responsive Design:** Used Tailwind's responsive utilities like md: and lg: to adjust layout on different screen sizes.
- **Semantic HTML:** Used elements like <nav>, <section>, and <footer> to improve accessibility and SEO.
- **Code Reuse:** Maintained a consistent header and footer structure across all pages for cohesion and simplicity.
- **Deployment Ready:** The site structure is designed to be hosted directly through GitHub Pages.

Challenges & What I Learned

- Ensuring clean visual hierarchy using only utility classes instead of a separate CSS stylesheet.
- Adapting layout for different devices without relying on frameworks like Bootstrap or React.
- Practicing semantic markup and accessibility-aware coding from scratch.

Behind the Scenes

Curious what this project page looks like under the hood? Here's a peek at the actual HTML code I wrote for specifically this section you're seeing right now. Everything you see on the site is built using structured HTML and styled with Tailwind CSS classes.



```
  </section><section class="bg-white rounded-xl shadow-md p-6 mb-10">
    <h3 class="text-2xl font-bold mb-4">🔍 Behind the Scenes</h3>
    <p class="text-gray-700 mb-4">
      Curious what this project page looks like under the hood? Here's a peek at the actual HTML code I wrote for specifically this section you're seeing right now.
    </p>
    <img src="assets/screenshot1.jpeg" alt="Screenshot of HTML code for the project page" class="rounded-lg shadow-lg border border-gray-200">
  </section>

  <section class="bg-white rounded-xl shadow-md p-6 mb-12">
    <h3 class="text-2xl font-bold mb-4">Next Steps</h3>
    <ul class="list-disc list-inside text-gray-700">
      <li>Host this site on GitHub Pages and share it on LinkedIn as part of my personal brand.</li>
      <li>Convert this project into a React app with modular components for easier scalability.</li>
      <li>Add interactivity using JavaScript (such as form validation or filtering projects dynamically).</li>
      <li>Continue developing my web development skillset through hands-on personal projects.</li>
    </ul>
  </section>
</main>

<footer class="bg-white border-t py-4 text-center text-sm text-gray-500">
  &copy; 2025 Caleb Green. All rights reserved.
```

Next Steps

- Host this site on GitHub Pages and share it on LinkedIn as part of my personal brand.
- Convert this project into a React app with modular components for easier scalability.
- Add interactivity using JavaScript (such as form validation or filtering projects dynamically).
- Continue developing my web development skillset through hands-on personal projects.