Design Choices and Challenges :

Design Choices:

When creating my blog website, I made several intentional design choices to enhance both functionality and aesthetics, ensuring that the site provides a seamless user experience.

1. Responsive Layout: One of my primary goals was to create a responsive layout that adapts to various screen sizes. To achieve this, I utilized CSS Grid and Flexbox. These layout models allowed me to design a fluid structure that ensures all elements, from headers to blog posts, resize and reposition gracefully across devices. By focusing on responsiveness, I aimed to provide users with an optimal viewing experience, regardless of whether they access the site on a smartphone, tablet, or desktop.

2. Visual Hierarchy: Establishing a clear visual hierarchy was crucial in guiding visitors through the content. I employed different font sizes, weights, and colors to differentiate between sections and emphasize key information. For instance, headings are bold and larger, making them stand out and immediately capturing the reader's attention. This hierarchy not only enhances the aesthetic appeal but also improves readability and navigation throughout the site.

3. Colour Scheme and Typography: The colour palette was carefully chosen to reflect a modern and professional vibe while ensuring readability. I opted for a combination of soft and contrasting colours that complement each other, creating a cohesive look throughout the website. Similarly, the typography was selected to ensure legibility, with a clean font that is easy on the eyes. Consistency in colour and font choices reinforces the overall branding of the site.

4. Icons and Visual Elements: To add a touch of modernity and make the contact section visually engaging, I incorporated Boxicons. These icons serve as familiar symbols that enhance user interaction and make the contact information more accessible. Instead of plain text, users can quickly identify platforms like LinkedIn and GitHub through intuitive icons, improving the overall user experience.

Challenges Faced:

Throughout the design process, I encountered several challenges that tested my skills and problem-solving abilities.

1. Styling the Navbar for Small Screens: One of the most significant challenges was making the navbar responsive. Initially, I applied `position: fixed` for larger screens, allowing the navbar to stay in place while scrolling. However, this approach backfired on smaller screens, where the navbar cluttered the interface and detracted from the overall user experience. After switching to position static, the navbar moved beneath the header, which disrupted the layout entirely. This issue led me down a frustrating path, consuming two days of trial and error.

2. HTML Structure Adjustment: After countless attempts and adjustments, I finally realized that the solution lay in the HTML structure itself. By placing the navbar before the header in the HTML code, I was able to achieve the desired behaviour for both large and small screens. This adjustment highlighted the importance of understanding how HTML structure affects the visual output and functionality of the site.

3. Trial and Error: The overall development process involved a significant amount of trial and error. Every adjustment I made required thorough testing to ensure that elements behaved as expected. Balancing aesthetics with usability often meant revisiting and revising styles multiple times. This iterative process, while challenging, ultimately contributed to a more polished final product.

4. Responsive Design Implementation: Implementing a fully responsive design required careful attention to detail. I had to consider not only the layout but also how individual elements would respond to changes in screen size. I used the `flex-shrink` and `flex-grow` properties within the blog section to ensure that the content could adapt dynamically, maintaining a balanced layout on varying screen sizes. Thorough testing across various devices was essential to identify and resolve any issues, ensuring a consistent user experience.

In conclusion, the design of my blog website was a complex task that involved thoughtful decisions and the overcoming of several challenges. Through this process, I learned valuable lessons about responsive design, the significance of HTML structure, and the impact of visual hierarchy on user experience. Each obstacle I faced contributed to my growth as a web developer, and I'm proud of the outcome of this project.