Implementing a Web Portfolio/Tool Project

(Final Project Pt. 2)

Salonee Gupta
3rd December, 2021

Link to website portfolio: https://saloneegupta.netlify.app/
Link to old repository: https://github.com/slobeann/portfolio.git
Link to new repository (I forgot to pull before the last commit):
https://github.com/slobeann/HW8-PUI.git

Describing my website
I worked on designing and coding a portfolio website. Through this website I hope to showcase my work to recruiters and hiring managers. I've used clean and subtle animations, a pastel colour palette and a strong combination of serif and sans serif fonts to hint at my style as a designer.

In the spirit of this being our final project, I pushed myself to learn current and relevant react and CSS frameworks for an elevated user experience. React reduced code time after I learned how to re-use UI components, and I dabbled with Gatsby, a framework recommended for static web pages like a portofolio. Instead of helping my aunt with cranberry sauce over thanksgiving, I read up on Tailwind CSS and decided to use that to make my website responsive. A personal goal with this project was to leverage the practise this course has given me with front-end development to better put to use my existing understanding of HTML, CSS and JavaScript by learning current real world implementations of the same.

I designed the landing page with a strong introduction to give the recruiters a quick and concise idea about who I am and what I do. The project cards show the final product in the accompanying image and a brief description of the project. My social media links are easily available for anyone looking to reach out to me. The project detail pages are structured to give a comprehensive overview of the project and my contribution right on top for anyone in a hurry The rest of the page is an in depth account of my design process. I wanted the 'About Me' page to talk not only about me as a designer but who I am as a person beyond the work I do. In the future, I would like to add projects I worked on at CMU to my work page and add a few more subtle transition animations.

How a user would use my website
- The user would land on the hero section
- On scrolling, they would see the the different projects
- On hovering on the text "Asian Paints", the underline would elevate (feedforward) letting the user know that the text is clickable
- The user would click on the project and land on the project details page
- From the navigation header, the user can click on the 'About' page and scroll through the page
- From the same navigation header the user can also click on 'Resume' to be taken to a PDF of my resume
- The user can also return to the home page by clicking on 'Salonee'
- 'Work' in the navigation is anchored to the section on the home page with all the projects

External tools I used
1. Gatsby Framework
2. Tailwind CSS
3. Animate Presence from Framer

How my design changed from the initial mock-up
I had initially designed for more animations but I did not plan on working with Gatsby and Tailwind. It took a while to get familiar with and learn to work with them. Therefore, I decided to implement crucial animations and interactions (hero section, navigation drop down, on hover for buttons). After running the Wave accessibility plugin I also learned that some of my sections did not have enough contrast. I tweaked the colors of some text to make them more accessible.

Challenges I faced in implementation
1. **Animating hero section**
   I had trouble creating a 'counter' for my hobbies but eventually found 'Animate Presence', a library by Framer for React that allows for exit animations.

```
<AnimatePresence>
  <motion.span
    className="leading-none absolute inset-0"
    initial={{
      y: "1em",
    }}
    animate={{
      y: 0,
    }}
    exit={{
      y: "-1em",
    }}
    transition={{
      stiffness: 80,
      damping: 100,
    }}
    key={count}
  >
    {actions[count % actions.length].action}
  </motion.span>
</AnimatePresence>
```

2. **Responsiveness of the sticky notes in project details page**

   It was challenging to make the sticky notes respond to a change in screen resolution in a way that made the text within them legible. I eventually found a way to do that using media queries.

```css
@media (min-width: 640px) {
  .project-details-card {
    width: 49%;
    margin-right: 2%;
  }
  .project-details-card:nth-child(2n) {
    margin-right: 0;
  }
}
```

3. **Writing alt text for UI Designs**

   An interesting problem I faced was trying to be brief but descriptive while explaining UI Design screens. I eventually kept it to about 1-2 lines and focused on the major conceptual takeaway.

Resources

1. https://www.youtube.com/watch?v=ThzUUdIVr_I
2. https://www.framer.com/docs/animate-presence/
3. https://www.youtube.com/watch?v=hBQlCtfRmgs
4. https://tailwindcss.com/docs
5. https://www.gatsbyjs.com/plugins/gatsby-plugin-image/
6. https://www.gatsbyjs.com/

Wave Accessibility Check

Styles: OFF ON

Summary

| Summary | Details | Reference | Structure | Contrast |

0
Errors

0
Contrast Errors

18
Alerts

33
Features

16
Structural Elements

50
ARIA

View details ›

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

The following apply to the entire page:

"en"

salonee

"aria-label="Salonee Gupta""

Work   About   Resume

Shop By Look

Summer Wooden Patio

DESIGN SERVICES   SHOP   MAGAZINE   GET A QUOTE

Add All to Cart

Tagged Products (2 items)   ₹25,000

Plano Designer Chair   ×
— 4 +   ₹15,500

Royal Oak Sofa   ×

Code

← Summer Wooden Patio

₹1,15,000

A classic amalgamation of for compact homes, clean