**Developer Documentations**

This documentation explains all the thing you need to know about how this website was build.

**Objective**: Create a personal responsive portfolio website making it easily accessible for recruiters to view your work.

**Thought Process**: The index page can be just one 100vh page, showing what my role and brief details of what I do. The nav will have my full name as logo and will have about, portfolio(work) and contact section. I plan to add a button to the home page which will redirect users to see my work collection. The contact page will be as simple as possible with just a contact form and my email address. For footer I plan to keep it transparent and just add social icons or I could even play around with GASP to make it visible when scrolling (trigger animation). Here I plan to add max 3 to 4 projects and each project will have their own case study page. In future this might change and there might be just one case study page and with the help of PHP I could add content over database.

**What will the page have:**

1. Homepage
2. Portfolio
3. Project 1

* Case study 1

1. Project 2

* Case study 2

1. Project 3

* Case study 3

1. About
2. Contact

**Language**:

1. HTML
2. CSS/SASS
3. JS
4. PHP

**Development**:

Here I will explain each of the major components used and how the function.

* Nav: For Navigation menu I’ve added my first name Samaya as my logo which also acts as a home button and have added About, Portfolio and Contact section. For animation the logo (name) has an ease in/out underline animation and for other contents it has a fade in animation upon hovering
* Footer: Footer has just 3 social icons, LinkedIn, Instagram and GitHub with their respective live to my profile and has zoom in hover animations. As of now these are SVG images but in future I will try to it through font awesome. The footer are same for web page across all devices.
* Button: As of the latest update the site has a total of 3 buttons, learn more button on home page, send button on contact page and button on portfolio page which appears in tablet and mobile view menu with same hover animation where the box roundness changes, and it gets filled with red color.
* About page: At the time of development, I was most confused on the about page as I wanted to add my image but a good cv does not have so I played around with different CSS filter like revealing the image only on hover but doing such proved difficult on mobile and tablet screen where the user does not have mouse access. So I to fill the void I went with a big HEY THERE text. Using CSS and js I gave it a typewriter effect i.e, when the screen loads the text starts to animate (type) but doing such increased the loading time and created issue in responsiveness so had to remove that animation. As of now the about has plain basic text a video (demo reel) which showcase my top work. Here using js I customized the video player according to the layout of my site. And since the page was looking dull I added skills section where I listed icons of the software which I am proficient in and using GSAP give it a scroll trigger animation where when the my skills shows on the viewport the icons stars to fade it and using CSS I added zoom and background glow hover animations.
* Contact page: My intention with the contact page was to keep it as simple as possible since anyone who goes to the contact page has an intention to contact you rather than explore, I wanted to make it easier without any clutter. So, I added the contact form in a rectangular box (div) which has glow outline animation. On the contact page it has an text box to add full name and email and a send button I’ve also added an email icon using font awesome with my email id underneath. In future updates I plan to add anchor tag to the email icon
* Portfolio page: This is where the important content is. Inside this page there are three projects which has their own individual webpage i.e, a case study page. We were emailed to develop just one case study page but by the time I read that email I was already done with two webpages so instead of deleting all I went with the flow but for the third page, buttons buds I limited the contents. The portfolio page has a total of 3 projects “Button Buds: Play with Buttons”, “7: Shades of glamour”, “Billy Beer: Brewed for the Bold!”. The reason why I went will all these projects are because it cover every aspects that I’ve learned till now. Here each content has an thumbnail of the project which when hovering blurs out and displays view more text. Here I added the anchor to their respective case study page in their thumbnails.­­ While viewing in desktop view it does not have any buttons but when you view the same page in mobile and desktop you can see the button appear. Now when you go to the case study page there you can find the hero image of the project along with some short brief introduction about the project. To make it more visually appealing under the brief introduction about the project I’ve added the icons of software used in that project. When the user scrolls down they will be see a promotion video or process depending on the project. Here the video player is customized using js and as of now all the images and content of the case study pages are hard coded but in future all these will be crowded through php database. Here again I’ve used gsap to fade in some images and just above the footer I’ve added a ‘want to build something like this?’ text and just below that a button which leads to the contact page so that when someone views my works and wants to contact me can easily reach out. Here the overall challenge was to make it responsive, to achieve that goal I had to cut some corners like the background being just a gradient rather without any hero image. Overall as of the recent commit made on December 10th the code appears to be responsive and works fine.

**Future Changes**

* Implementation of PHP to crowd case study page
* Better Nav menu with interactive animations
* GSAP or JS to animate ‘HEY THERE’ text on about page
* Add of hero image
* Add of X-ray slider for earbuds
* Better customized video player with more functionality

**Bugs:**

* ~~Hover animation is not working on contact page send button.~~

*There was a conflict in id, solved by changing the send now button id*

* ~~Portfolio Section: Learn More button does not show on mobile and tablet.~~

*I was using media query to hide button on desktop this affected the mobile and tablet view too so updated media query to show it on mobile and tablet*

* ~~7 Case Study: GSAP animation not working on mobile and tablet~~

*Not sure exactly how it worked, I was testing different gsap setting and it worked.*

* Nav Menu: Hamburger Menu not changing upon clicking.
* Back To Top button: Issue with padding and vh, have to look for other options to make this work.
* ~~GSPA id not fount error~~

*Since I used gsap in different page with different ID’s it was creating the error. solved it using if statement.*