WEB DEVELOPMENT

PERSONAL PORTFOLIO WEBSITE

Hello Professor,

For my final project I have used HTML and CSS (Used some of Bootstrap). Followed some Youtube Videos and also referred to some websites like GeeksForGeeks,W3Schools and some blogs as well. Will add those refences which I referred to at the last of this documentation.

Link to my Website : https://harshvardhan2209.github.io/harsh.github.io/

Link to my Github Repo : https://github.com/harshvardhan2209/harsh.github.io.git

I started off by creating the index.html page and gave the title for the website as "Personal Portfolio Website" which is the first step anyone can do and then linked the style.CSS page to the index.html so that I can work on both the pages simultaneously and see the results with the help of "Open live server" feature.

In the index page I wanted to add the header(Navigation Bar),Home, About me ,Resume, Education and Contact form.So I started off by creating the Navigation Bar which would help us to navigate to different sections of the page when we clicked on the NavBar Elements.I also created a logo section so that it looks a little nice.I just wrote "Portfolio" cause I see many vides on the internet where they had used the same concept so I really liked it and decided to add it.For the header section I used Unordered and List tags and assigned them with a Class and section id so that I don't have to individually style all the elements.

I created a home page which would obviously include the Navigation Bar and I also wanted to add my social media links.So I saw this tutorial of how to add social media links.(https://www.youtube.com/watch?v=ecvmB0HH5MM&ab_channel=ADesignerWhoCodes)
I imported the fonts from this website https://boxicons.com
I have also added this link in the beginning of the HTML page.
(href=https://cdn.jsdelivr.net/npm/boxicons@2.0.5/css/boxicons.min.css
rel="stylesheet").

I made these social media links responsive where I used the href tag and attached the link of the respective social media.

I also added a small image on the home page so that it looks good when we open the website on the home page. I Created a class for it and added the image to it from the Images file which I uploaded on Github.

I created a button as well for "Contact" which would directly take you to the contact section. Added the styling to the button as well which Is explained later on in the styling part .

After writing the code for the home page I moved to the about section. I decided to write something about I am doing right now and what I want to achieve in my career and what I do in my free time. I also added my image in the about section using the img tag which has the src and alt attribute. I took the image from the images file uploaded as I did for in the home section. I felt "about me"section felt a little incomplete and I still wanted to add something so I felt adding my skills would be really nice as It is something which would be everyone want to see when they would open my website so I added it using the p tags.

Later I added the Resume Section where I wrote about my education and experience. Created a section class like I created for the other sections in the website and also linked it to the Navabar with the section. Did not do anything fancy here other than just mention what I had done here earlier. Honestly, I was not understanding how to create a great resume section so I did what I could come up with.

Then I wrote the code for the Project section. I saw many Youtubers using Bootstrap, so I decided to use it. It has the grid system which I felt was very helpful for me. For that I to import the link. I went through the grid system on youtube and got an idea about it.I did not implement bootstap earlier and without it the project section looked very basic and not interesting at all but with the bootstrap it looked better.I added a image for the project using the img tag and gave a brief description of the projects and at last added a button which contains the project i.e it woulf take you to the Github repo which I had created for those project.
For one project which DDOS I did not add the project link for it because I haven't uploaded that on github.

Lastly I created the contact form which basically has a name email and a textarea.

For name I used intput type as text,for email I used email and for the message area I had a textarea.Also I have created a submit button at the end of the contact section.

Coming to the CSS file which is style.css I basically wrote the code for styling the HTML page and for that I straightway linked the CSS file to the HTML page.

<link rel="stylesheet" href="style.css" />

I also imported the font from Google fonts to the CSS file .

@import url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;600;700&display=swap');

I started off by using the root selector and I specified the header height and the font weight and assigned colors by using the first color and second color so that evetime I assign any color I can use the –firstcolor or –second color feature.

I read about these custom properties from here

https://developer.mozilla.org/en-US/docs/Web/CSS/--*

I had read it somewhere or Maybe I saw one of your videos regarding how to choose the colorrs for the wesite.Like lets take Youtube with the dark theme it will two dominant colors like red and black similarly I used blue and black or my website.I used the Poppins sans-serif for the body font and the gave the font size using the CSS Custom Properties.

For the margin I created a set of margin using the bottom margin.I created some margin bottoms and assigned them the various scales so I can use it directly later on.

I wanted to have to a scrolling feature on my website and after looking something on the internet I understood how to implement it.

To scroll easily between the sections I used the scroll behaviour:smooth which made the website look neat.

https://www.youtube.com/watch?v=MNNr7TU7XcU&ab_channel=KevinPowell.

For the list tag for the elements in the Navbar I was getting bullet points at first and to remove that I had to use list-style is none which removed it and made it presentable.

Then I assigned the height for the image to be auto and gave the display block as I wanted it to start on a new line and would not come in the middle of any message typed.

Section title was a class I had created for all the sections in the HTML page so that I don't have style those individually, so I gave the color as –first-color and margin and top as –mb-1 and –mb-2 which have the dimensions accordingly and gave the top and bottom padding for the section.

Then I gave the Navbar some height using the headerheight which I used earlier.For the things which I am using the earlier decribed properties I use the Var().It helps to the value of a CSS variable.

For spacing between the Navbar elements I used the justify content which made it evenly spaced.I also added a feature to the nabbar that when we would bring the cursor over the elements the color would change and we can see a underline coming.

For this I used the hover feature which would change the color to blue from black and used text decoration as underline.

Similary for the social media I made use if the hover feature and changes the cursor to pointer when we hoverd over it.

In case of styling the buttons I used the display:inline-block so that we can see them horizontally and I wanted the buttons to have a little rounded corner so I used the border radius which makes the corner rounded according to the dimensions which we give.

I also added the hover feature for the buttons as well.I wanted it to look a little different than the other hover I have seen so I made the background color as white after we hover on it which made the button litrellay disappear due to the white background color of the page but due to the font color black we can clearly make the distinction.

For the images in the about section I gave it a width of 200px so that we can see can clearly see my picture ☺

Also I used rounded the corners again by using the border radius property.

For the skills part in about section I gave it a h4 tag and gave it the var(--first-color) which we can see if we open the website. The first-color is blue which I had assigned in the beginning.I also added the media queries to make the website to look responsive for various width by using @media for various ranges so that when we inspect the pages and make changes to its resolution it should not look disoriented

REFERENCES:

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https://www.youtube.com/watch?v=2wy-MnKUbJo&ab_channel=SenaidBacinovic

https://www.youtube.com/watch?v=TJqq0OZrzf0&ab_channel=dcode

https://mdbootstrap.com/docs/standard/utilities/spacing/

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https://developer.mozilla.org/en-US/docs/Web/CSS/calc