" Portfolio Website With React"

SUBMITTED BY: -

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SUBMITTED TO: -

Mr. Ankit Arora

(Technical Trainer, GLA University)

Declaration

I hereby declare that the project work entitled "**Portfolio Website with React**" submitted to the GLA University Mathura, is a record of an original work done by me under the guidance of Mr. Ankit Arora, Technical Trainer, Computer Science, GLA and this project work is submitted in the partial fulfilment of the requirements for the award of the degree B.Tech in Computer Science & Engineering. The results embodied in these have not been submitted to any other University or Institute for the award of any degree or diploma.

Project Creator

Harsh Sharma(201500272)

Course: B.Tech (Computer Science and Engineering)

Year: 3rd

Semester: 6th

Supervised By
Mr. Ankit Arora, Technical Trainer,

GLA University, Department of Computer Engineering & Application

Certificate

This is to certify that the above statements made by the candidates are correct to the best of my/our knowledge and belief.

_____ Supervisor

Mr. Ankit Arora,

Technical Trainer

Project Mentor	Program Coordinator
(Mr. Ankit Arora)	(Mr. Shashi Shekhar)

Introduction

Project Description:

In this Project, we learned how to create a responsive portfolio website using React. The website contains a navigation bar, a home page, an about page, a projects page, and a contact page.

Primary Reason for this Project:

The primary reason for a React portfolio project is to showcase a developer's skills, experience, and expertise to potential employers, clients, or collaborators. The portfolio project allows the developer to display their work and demonstrate their understanding of the React framework, as well as their proficiency in creating responsive, user-friendly, and interactive web applications.

Main Objective of this project:

The main objective of the project is to create a personal portfolio website using the React framework. The website will showcase the developer's skills, projects, and experiences to potential clients or employers. It is intended to be a platform to demonstrate the developer's knowledge of React and other technologies and highlight their achievements. The website should be visually appealing, easy to navigate, and provide a clear picture of the developer's expertise and work experience. Overall, the objective is to create a professional and effective portfolio

that can help the developer to land new job opportunities and establish their brand in the tech industry.

Scope of this Project:

The scope of this project depends on the specific details and requirements outlined by the stakeholders or project owners. However, generally speaking, the scope of a project like a React portfolio could include:

Developing a responsive and visually appealing user interface that showcases the developer's skills, projects, and experience.

Integrating with APIs and third-party services to display data and content related to the developer's work.

Implementing a contact form or other means of communication to enable potential clients or employers to reach out to the developer.

Ensuring the website is accessible and meets relevant web standards and guidelines.

Providing a smooth user experience and ensuring that the website is easy to navigate and understand.

ACKNOWLEDGEMENT

It gives me a great sense of pleasure to present the synopsis of the B.Tech mini project undertaken during B.Tech III Year. This project is going to be an acknowledgement to the inspiration, drive and technical assistance will be contributed to it by many individuals. I owe special debt of gratitude to Mr. Ankit Arora, Technical Trainer , for providing me with an encouraging platform to develop this project, which thus helped me in shaping my abilities towards a constructive goal and for his constant support and guidance to our work.

His sincerity, thoroughness and perseverance has been a constant source of inspiration for me. I believe that he will shower me with all his extensively experienced ideas and insightful comments at different stages of the project & also taught me about the latest industry-oriented technologies. I also do not like miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and co-operation.

By:

Harsh Sharma(201500272)

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Working of the Project

The React Portfolio Website Tutorial is built using modern web development techniques and tools. The project uses ReactJS, a popular JavaScript library for building user interfaces, along with HTML and CSS. The website is responsive, meaning it is designed to adjust and optimize for different screen sizes, making it accessible and functional on mobile devices as well as desktop computers.

The project starts with the creation of a basic React app using Create React App, a popular tool for starting new React projects. The components are then built using JSX, a syntax extension for JavaScript that allows HTML-like elements to be used within JavaScript code. The website uses React Router to handle navigation and routing between different pages, allowing for a seamless user experience.

The portfolio website also utilizes modern CSS techniques such as Flexbox and CSS Grid to achieve the responsive layout. The project also implements various animations and transitions to enhance the user experience, such as a scrolling effect that reveals the header when scrolling up, and a hover effect on project cards that displays a description of the project.

React Components used in this project:

- **React snap-scroll effect:**

React snap-scroll effect is a way to implement the snap-scrolling behavior in a React app. Snap-scrolling is a type of scrolling that "snaps" to certain points or elements on a page, creating a smooth and polished user experience.To implement snap-scrolling in a React app, you can use a library like **react-scroll-snap**, which provides a set of components and hooks to enable snap-scrolling behavior.

To use **react-scroll-snap**, you can install it via npm or yarn

npm install react-scroll-snap

- **React Animated Hamburger menu:**

React Animated Hamburger Menu is a popular component used in web development. It is a navigation menu that appears as a set of three horizontal lines, resembling a hamburger. When clicked, the menu expands to show a list of menu items. The animation effect of the hamburger menu is what sets it apart from other navigation menus.

To create an animated hamburger menu in React, you can use a combination of CSS and JavaScript. First, create a hamburger icon using three div elements with a class name of "hamburger". Then, add CSS styles to create the lines of the hamburger icon.

Next, add a click event listener to the hamburger icon using JavaScript. When the icon is clicked, toggle a CSS class to show or hide the menu. This can be done using the setState method in React.

To animate the hamburger menu, you can use CSS transitions or CSS animations to create a smooth animation effect. You can also add additional styles to the menu items to create a cohesive design.

There are also many pre-built React components and libraries available that provide animated hamburger menu functionality, such as React Hamburger Button and React Burger Menu. These libraries can help simplify the process of creating an animated hamburger menu in React.

- **React Sidebar menu:**

A sidebar menu is a common user interface element used in many web applications. In a React application, you can create a sidebar menu using various techniques. One way is to use a React component library that provides pre-built sidebar menu components. Another way is to create your own custom sidebar menu component from scratch.

- **React adding dynamic active class:**

To add a dynamic active class in React, you can use the **useState** hook to keep track of the active class and update it based on user interaction or other conditions.

- **React dynamic data with useEffect hook:**

The **useEffect** hook in React can be used to perform side effects, such as fetching data from an API, and updating the state of a component. Here is an example of using the **useEffect** hook to fetch data from an API and update the state of a component dynamically

- **React Slider:**

To create a slider in React, you can use various libraries like **react-slick**, **react-slider**, **swiper**, etc. Here's an example using **react-slick**:

First, install the library using **npm** or **yarn**:

Import the necessary files in your component:

Define your slider component and add your content as **div** elements inside the **Slider** component:

Finally, use the **MySlider** component in your application as desired.

This is just a simple example, and you can customize the slider behavior, styling, and content as per your requirements using different settings and properties provided by the **react-slick** library.

Code:

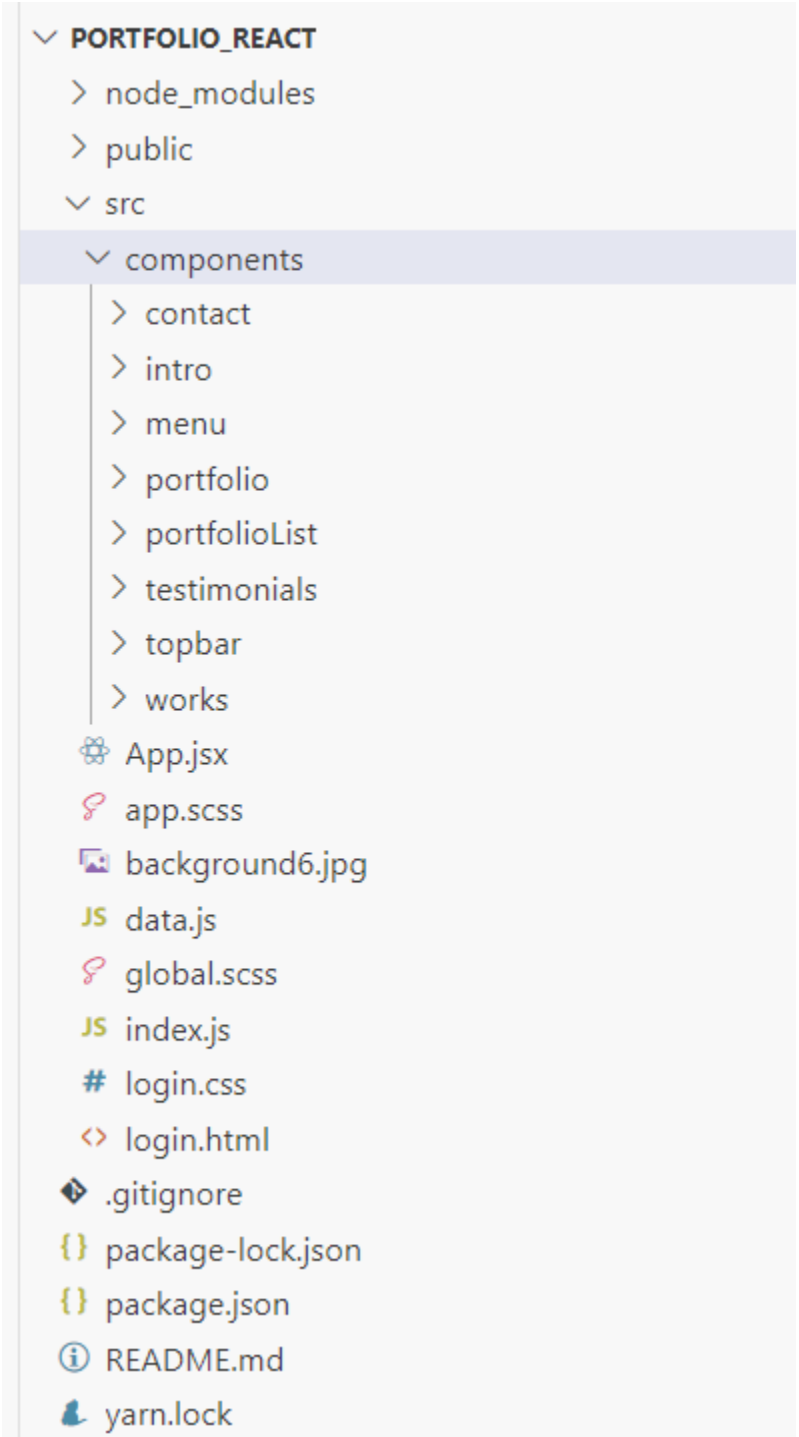
Code for App.jsx:

```
import Topbar from "./components/topbar/topbar";
import Intro from "./components/intro/Intro"
import Portfolio from "./components/portfolio/Portfolio"
import Works from "./components/works/Works"
import Testimonials from "./components/testimonials/Testimonials"
import Contact from "./components/contact/Contact"
import "./app.scss"
import { useState } from "react";
import Menu from "./components/menu/Menu";


function App() {
const [menuOpen,setMenuOpen] = useState(true)
return (
<div className="app">
<Topbar menuOpen={menuOpen} setMenuOpen={setMenuOpen}/>
<Menu menuOpen={menuOpen} setMenuOpen={setMenuOpen}/>
<div className="sections">
<Intro/>
<Portfolio/>
<Works/>
<Testimonials/>
<Contact/>
</div>
</div>
);
}

export default App;
```

Code for index.js:

```
import React from 'react';
import ReactDOM from 'react-dom/client';
import App from './App';
const root = ReactDOM.createRoot(document.getElementById('root'));
root.render(
  <React.StrictMode>
       <App />
  </React.StrictMode> );
```

Code for Components:



1. Code for intro:

```
import "./intro.scss"
import { init } from "ityped";
import { useEffect, useRef } from "react";

export default function Intro() {
  const textRef = useRef();

  useEffect(() => {
    init(textRef.current, {
      showCursor: false,

      backDelay: 1500,
      backSpeed:60,
      strings: ["Designer", "Web Developer", "Hybrid App Dev"],
    });
  }, []);
  return (
    <div className="intro" id="intro">
        <div className="left">
          <div className="imgContainer">
            <img src="assets/man.png.png" alt=""/>
          </div>
        </div>
        <div className="right">
          <div className="wrapper">
            <h2>Hey There Buddy, I'm</h2>
            <h1>Harsh Sharma</h1>
            <h3>GLA Student <span ref={textRef}></span>
            </h3>
          </div>
          <a href="#portfolio">
            <img src="assets/down.png" alt=""/>
          </a>
        </div>
    </div>
  )
}
```

2. Code for Topbar:

```
import "./topbar.scss"
import { Person, Mail } from "@material-ui/icons";

export default function Topbar({ menuOpen, setMenuOpen }) {
  return (
    <div className={"topbar " + (menuOpen && "active")}>
        <div className="wrapper">
        <div className="left">
          <a href="#intro" className="logo">genius.
                </a>
                <div className="itemContainer">
                  <Person className="icon" />
                  <span>+91 8878208873</span>
                </div>
                <div className="itemContainer">
                  <Mail className="icon" />
                  <span>harsh.sharma_cs20@gla.ac.in</span>
                </div>
              </div>
              <div className="right">
              <div className="hamburger"
  onClick={()=>setMenuOpen(!menuOpen)}>
                  <span className="line1"></span>
                  <span className="line2"></span>
                  <span className="line3"></span>
                </div>
              </div>
              </div>
          </div>
        )
      }
```

3. Code for Portfolio:

```
import "./topbar.scss"
import { Person, Mail } from "@material-ui/icons";

export default function Topbar({ menuOpen, setMenuOpen }) {
  return (
    <div className={"topbar " + (menuOpen && "active")}>
        <div className="wrapper">
        <div className="left">
          <a href="#intro" className="logo">genius.
          </a>
          <div className="itemContainer">
            <Person className="icon" />
            <span>+91 8878208873</span>
          </div>
          <div className="itemContainer">
            <Mail className="icon" />
            <span>harsh.sharma_cs20@gla.ac.in</span>
          </div>
        </div>
        <div className="right">
        <div className="hamburger"
onClick={()=>setMenuOpen(!menuOpen)}>
            <span className="line1"></span>
            <span className="line2"></span>
            <span className="line3"></span>
          </div>
        </div>
        </div>
    </div>
  )
}
```

4. Code for Work:

```
import { useState } from "react";
import "./work.scss";
export default function Works() {
  const [currentSlide, setCurrentSlide] = useState(0);
  const data = [
    {
      id: "1",
      icon: "./assets/mobile.png",
      title: "Web Design",
      desc:
        "I specialize in creating visually stunning and user-friendly
websites that are tailored to my clients' unique needs. From concept to
final design, I work closely with my clients",
      img:
        "https://99designs-blog.imgix.net/blog/wp-
content/uploads/2018/10/attachment_100040756-
e1538485934255.jpeg?auto=format&q=60&fit=max&w=930",
    },
    {
      id: "2",
      icon: "./assets/globe.png",
      title: "Mobile Application",
      desc:
        "As a skilled mobile application developer with expertise in
Flutter, I have the ability to create high-quality, cross-platform
mobile applications for both iOS and Android. I utilize Flutter",
      img:

"https://i.pinimg.com/originals/e9/c9/2f/e9c92f7869d682a6fa5a97fb8a298f
30.jpg",
    },
    {
      id: "3",
      icon: "./assets/writing.png",
      title: "Branding",
      desc:
        "I specialize in developing brand identities that are cohesive,
consistent, and tailored to my clients' target audience.",
      img:
"https://i.pinimg.com/originals/a9/f6/94/a9f69465d972a004ad581f245d6ad5
81.jpg",
    },
  ];
  const handleClick = (way) => {
    way === "left"
```

```
      ? setCurrentSlide(currentSlide > 0 ? currentSlide - 1 : 2)
      : setCurrentSlide(currentSlide < data.length - 1 ? currentSlide +
1 : 0);
  };
  return (
    <div className="works" id="works">
      <div
        className="slider"
        style={{ transform: `translateX(-${currentSlide * 100}vw)` }}
      >
        {data.map((d) => (
          <div className="container">
            <div className="item">
              <div className="left">
                <div className="leftContainer">
                  <div className="imgContainer">
                    <img src={d.icon} alt="" />
                  </div>
                  <h2>{d.title}</h2>
                  <p>{d.desc}</p>
                  <span>Projects</span>
                </div>
              </div>
              <div className="right">
                <img
                  src="https://99designs-blog.imgix.net/blog/wp-
content/uploads/2018/10/attachment_100040756-
e1538485934255.jpeg?auto=format&q=60&fit=max&w=930"
                  alt=""
                />
              </div>
            </div>
          </div>
        ))}
      </div>
      <img
        src="assets/arrow.png"
        className="arrow left"
        alt=""
        onClick={() => handleClick("left")}
      />
      <img
        src="assets/arrow.png"
        className="arrow right"
        alt=""
        onClick={() => handleClick()}
      />
    </div>
  );
}
```

5. Code for Testimonials:

```
import { useState } from "react";

import "./work.scss";

export default function Works() {
  const [currentSlide, setCurrentSlide] = useState(0);
  const data = [
    {
      id: "1",
      icon: "./assets/mobile.png",
      title: "Web Design",
      desc:
              "I specialize in creating visually stunning and user-
      friendly websites that are tailored to my clients' unique needs.
      From concept to final design, I work closely with my clients",
      img:
              "https://99designs-blog.imgix.net/blog/wp-
      content/uploads/2018/10/attachment_100040756-
      e1538485934255.jpeg?auto=format&q=60&fit=max&w=930",
    },
    {
      id: "2",
      icon: "./assets/globe.png",
      title: "Mobile Application",
      desc:       "As a skilled mobile application developer with
expertise in Flutter, I have the ability to create high-quality, cross-
platform mobile applications for both iOS and Android. I utilize
Flutter",
      img:

"https://i.pinimg.com/originals/e9/c9/2f/e9c92f7869d682a6fa5a97fb8a298f
30.jpg",
    },
    {
      id: "3",
      icon: "./assets/writing.png",
      title: "Branding",
      desc:
              "I specialize in developing brand identities that are
      cohesive, consistent, and tailored to my clients' target
      audience.",
      img:
"https://i.pinimg.com/originals/a9/f6/94/a9f69465d972a004ad581f245d6ad5
81.jpg",
    },
  ];
  const handleClick = (way) => {
    way === "left"
```

```
      ? setCurrentSlide(currentSlide > 0 ? currentSlide - 1 : 2)
      : setCurrentSlide(currentSlide < data.length - 1 ? currentSlide +
1 : 0);
  };
  return (
    <div className="works" id="works">
      <div
        className="slider"
        style={{ transform: `translateX(-${currentSlide * 100}vw)` }}
      >
        {data.map((d) => (
          <div className="container">
            <div className="item">
              <div className="left">
                <div className="leftContainer">
                  <div className="imgContainer">
                    <img src={d.icon} alt="" />
                  </div>
                  <h2>{d.title}</h2>
                  <p>{d.desc}</p>
                  <span>Projects</span>
                </div>
              </div>
              <div className="right">
                <img src="https://99designs-blog.imgix.net/blog/wp-
content/uploads/2018/10/attachment_100040756-
e1538485934255.jpeg?auto=format&q=60&fit=max&w=930"
                  alt=""
                />
              </div>
            </div>
          </div>
        ))}
      </div>
      <img
        src="assets/arrow.png"
        className="arrow left"
        alt=""
        onClick={() => handleClick("left")}
      />
      <img
        src="assets/arrow.png"
        className="arrow right"
        alt=""
        onClick={() => handleClick()}
      />
    </div>
  );
}
```

6. Code for Contact:

```
import { useState } from "react";
import "./contact.scss";

export default function Contact() {
const [message, setMessage] = useState(false);

const handleSubmit = (e) => {
e.preventDefault();
setMessage(true);
};
return (
<div className="contact" id="contact">
<div className="left">
<img src="assets/shake.svg" alt="" />
</div>
<div className="right">
<h2>Contact.</h2>
<form onSubmit={handleSubmit}>
<input type="text" placeholder="Email" />
<textarea placeholder="Message"></textarea>
<button type="submit">Send</button>
{message && <span>Thanks, I'll reply ASAP :)</span>}
</form>
</div>
</div>
);
}
```

7. Code for PortfolioList:

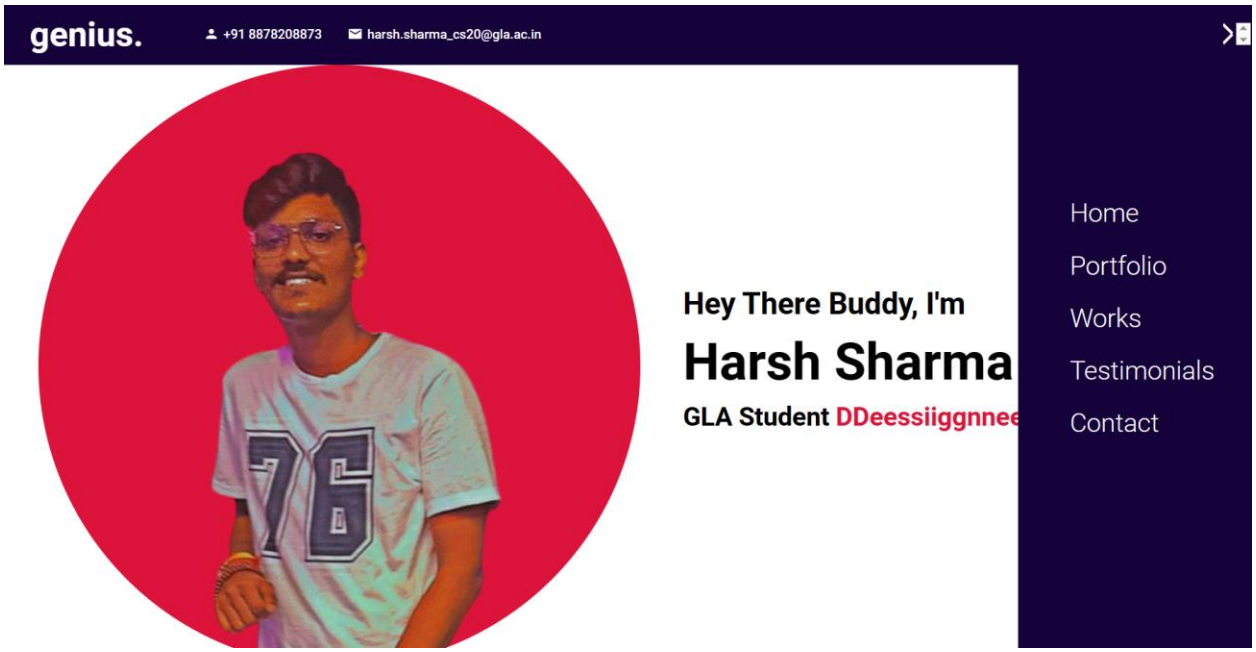
```
import "./portfolioList.scss"

export default function PortfolioList({id,title,active,
setSelected}) {
return (
<li className={active ? "portfolioList active":"portfolioList"}
onClick={() => setSelected(id)}>
{title}
</li>
)
}
```

8. Code for Menu:

```
import "./menu.scss";

export default function Menu({ menuOpen, setMenuOpen }) {
  return (
    <div className={"menu "+(menuOpen && "active")}>
      <ul>
        <li onClick={()=>setMenuOpen(false)}>
          <a href="#intro">Home</a>
        </li>
        <li onClick={()=>setMenuOpen(false)}>
          <a href="#portfolio">Portfolio</a>
        </li>
        <li onClick={()=>setMenuOpen(false)}>
          <a href="#works">Works</a>
        </li>
        <li onClick={()=>setMenuOpen(false)}>
          <a href="#testimonials">Testimonials</a>
        </li>
        <li onClick={()=>setMenuOpen(false)}>
          <a href="#contact">Contact</a>
        </li>
      </ul>
    </div>
  );
}
```

9. Code for global.scss:

```
$mainColor: #15023a;

$width: 768px;

@mixin mobile {
    @media (max-width: #{$width}){
        @content
    }
}
```



Results of this Project:

A responsive portfolio website was created using React.

The website contains a navigation bar, a home page, an about page, a projects page, and a contact page.

Each page contains relevant information and is styled to look professional and modern.

The website is fully responsive and can be viewed on various devices such as desktops, tablets, and mobile phones.

The website was successfully deployed online using Netlify.

Conclusion :-

In conclusion, this project successfully achieved its objectives of teaching how to create a responsive portfolio website using React, and creating a professional-looking website that showcases the creator's skills and projects. The project also utilized various React components and libraries to enhance the website's functionality and style. The website is fully responsive and can be viewed on various devices. Overall, this project provides a valuable learning experience for anyone interested in building websites with React.

I have completed my project within time limit with the coordination and under the supervision of my mentor **Mr. Ankit Arora(Technical Trainer)**

References:-

Books:

- HTML and CSS: Design and Build Websites, 1st Edition by Jon Duckett
- JavaScript and jQuery: Interactive Front-End Web Development, 1st Edition by Jon Duckett

Websites:

- www.google.com
- https://projectworlds.in
- https://www.w3schools.com/whatis/default.asp