MINI PROJECT – II

SYNOPSIS

on

"Portfolio Website With React"

Department of Computer Science & Application

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SUBMITTED TO: -   SUBMITTED BY: -

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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.

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ABSTRACT

Website Design and learning React were the main objective of this Mini Project. This project aims to create a portfolio website using the React JavaScript library. The website is designed to be responsive, meaning it can adjust its layout to different screen sizes and devices. The project covers a variety of topics, including React components, state management, and CSS styling. The final result is a functional portfolio website that showcases the creator's projects and skills. walks you through the process of building a fully functional and responsive portfolio website step-by-step.

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Introduction

Welcome to this project report on the React Portfolio Website.The purpose of this project was to create a responsive React-based portfolio website, which can be used to showcase personal projects and skills. The website was built using modern web development techniques, such as React, JavaScript, HTML, and CSS. In this report, we will provide an overview of the project, including its objectives, methodologies, and outcomes. Additionally, we will discuss the main features of the website and highlight some of the challenges encountered during the development process. Finally, we will conclude the report with a reflection on the project, discussing its strengths and limitations, as well as potential future directions for the website. The project focuses on building a responsive portfolio website using React, a popular JavaScript library for building user interfaces. The website includes multiple pages and sections, such as a home page, about page, portfolio page, and contact page.

The Objective of this Project

- To learn how to create a responsive website using React.

- To create a professional-looking portfolio website that showcases the creator's skills and projects.

- To implement various React components such as navigation bar, cards, and forms.
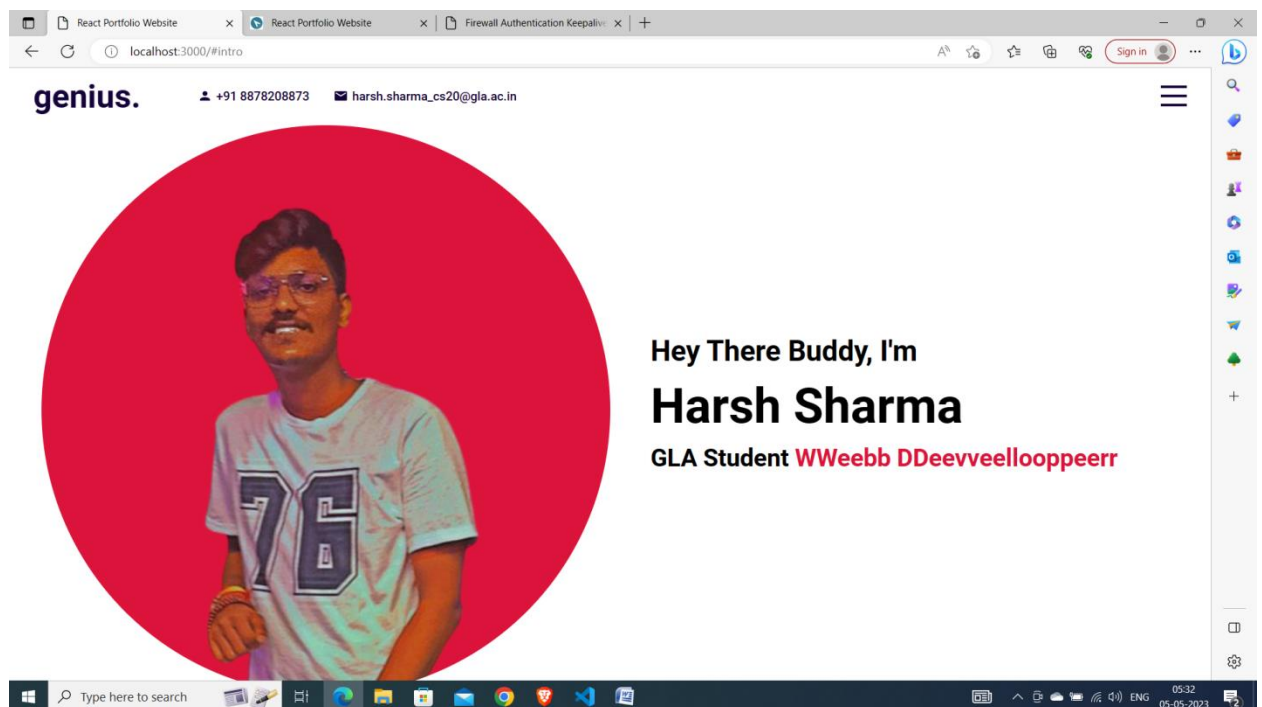
The Functionality of this Project:

- Home page: The project has a home page that provides an introduction to the website and the owner of the portfolio.
- Projects page: The website has a page dedicated to showcasing the owner's projects. This page allows visitors to view project details and see images of completed work.
- Contact form: The website has a contact form that allows visitors to send messages to the portfolio owner.
- Responsive design: The website is designed to be responsive, meaning it can be viewed on different devices and still provide a seamless user experience.
- Navigation bar: The project includes a navigation bar that allows visitors to easily move between different pages on the website.
- Technology stack: The project is built using React, a popular JavaScript library for building user interfaces. Other technologies used include CSS and HTML.
- Code structure: The project is organized into different components that make it easy to understand and maintain the code. The components are reusable, meaning they can be used across the website without the need to rewrite code.

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.

Use-Case Diagram:
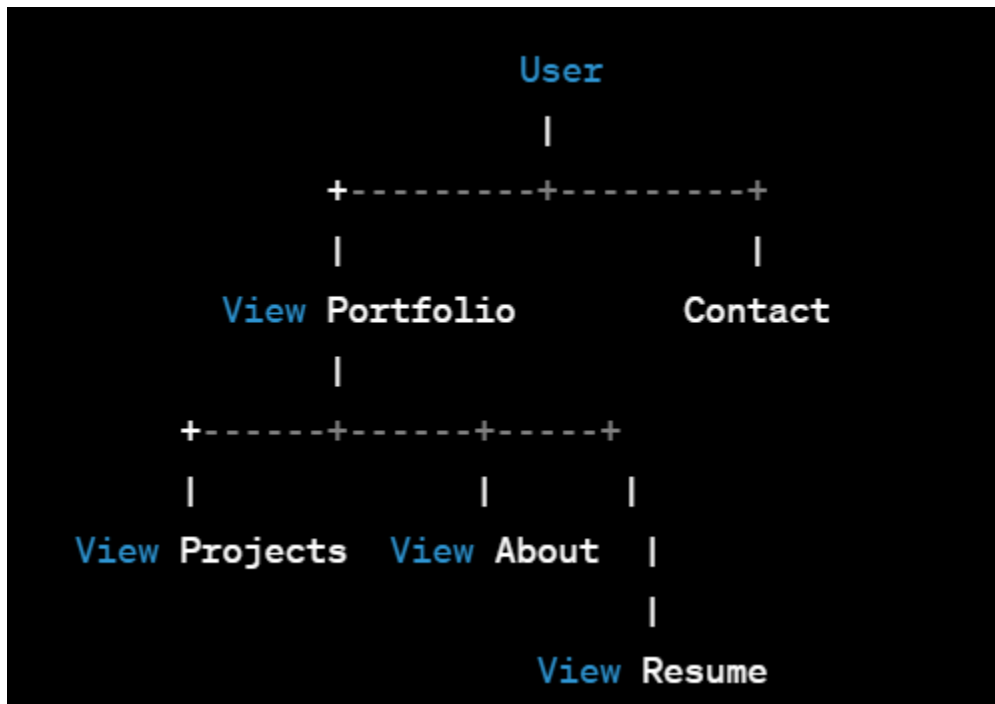
In this diagram, the user can either view the portfolio, contact the developer, view individual projects, view the about section, or view the resume. The view portfolio use case will display a collection of projects, and the user can select individual projects to view more details. The contact use case will allow the user to send a message to the developer. The view about use case will display information about the developer, such as their background, skills, and interests. Finally, the view resume use case will display the developer's resume, providing the user with more detailed information about their education, work experience, and accomplishments.

SOFTWARE REQUIREMENTS

- Vs Code

- IntelliJ Idea

- Xaamp for server

- Extensions

HARDWARE REQUIREMENTS

- Internet connectivity:1mb/s Net Connection

- Storage: 4GB RAM

- Window 7,10,11

- Processor: i3 processor-based or further

- Device used: Laptop

IMPLEMENTATION AND PLATFORM USED:

HTML: The Hypertext Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser.

CSS: Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML or XML.

JavaScript: JavaScript is a text-based programming language used both on the client-side and server-side that allows you to make web pages interactive. Where HTML and CSS are languages that give structure and style to web pages, JavaScript gives web pages interactive elements that engage a user.

React : The React. js framework is an open-source JavaScript framework and library developed by Facebook. It's used for building interactive user interfaces and web applications quickly and efficiently with significantly less code than you would with vanilla JavaScript

VScode Editor: Visual Studio Code is a code editor. Like many other code editors, VS Code adopts a common user interface and layout of an explorer on the left, showing all of the files and folders you have access to, and an editor on the right, showing the content of the files you have opened.

VS Code comes with a simple and intuitive layout that maximizes the space provided for the editor while leaving ample room to browse and access the full context of your folder or project. The UI is divided into five areas:

Editor - The main area to edit your files. You can open as many editors as you like side by side vertically and horizontally.

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
Learning PHP, MySQL & JavaScript: With jQuery, CSS & HTML5 by Robin
Nixon

Websites:
www.google.com
https://projectworlds.in