Introduction :

Summer Training program on front End web development by Gokboru pvt.Ltd(05-jun-20-july)
Submitted by:Malik Sartaj Mushtaq
Registration no:12221774

Student Declaration:

To whom it may concern
I, MALIK SARTAJ MUSHTAQ, Registration no-12221774 of the student, hereby declare
that the work done by me on "Topic of the work" from June 2024 to July 2024, Y ear, is a
record of original work for the partial fulfilment of the requirements for the award of the
degree, degree name.
Name of the Student: Malik Sartaj Mushtaq
Registration No: 12221774

Acknowledgement:

GOKBORU
Tech

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PROUDLY PRESENTED TO

Malik Sartaj Mushtaq

For successfully completing the 7-week Front End Web Development training, conducted by Gokboru Tech Pvt Ltd. This intensive program covered key aspects of front end technologies, including web design, user experience, and development strategies.

Yash Raj

Yash Raj
SME

Muhammad Samir Akhtar
DIRECTOR & CEO

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- **About Project:**
- *Introduction to Front-End Web Development*
- *Learn the core concepts and tools of front-end development.*
- *Node.js for Back-End Development*
- *Gain proficiency in Node.js for building server-side applications.*
- *Industry-Ready Single-Page Web Application*
- *Develop a functional single-page web application.*
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- *Develop a functional single-page web application.*
- *Major Project*
- *Build a platform similar to Instagram or Facebook as a capstone project.*
- *Experience with Deployment & Maintenance*
- *Learn deployment techniques using AWS, Netlify, and GitHub Pages.*
- *Comprehensive DevOps Workflow*
- *Explore CI/CD Pipelines such as Travis-CI and GitHub Actions.*
- *Remote Learning Environment*
- *Attend from anywhere and interact with instructors freely.*

Technologies learnt:

Week 1: Introduction to HTML and CSS

- **Learned the fundamentals of HTML structure, tags, and elements for creating web page content.**
- **Understood the role of CSS in styling and layout, including selectors, properties, and the box model.**
- **Gained insights into responsive design principles for adapting websites across different screen sizes**

Week 2: Advanced CSS

- **Explored advanced CSS concepts like media queries and viewport meta tag for responsive web design.**
- **Learned about CSS preprocessors (e.g., Sass) and frameworks (e.g., Bootstrap, Tailwind CSS) to streamline styling.**
- **Underwent the power of CSS animations and transitions for creating dynamic visual effects.**

Week 3: JavaScript Fundamentals

- **Grasped the core of JavaScript: variables, data types, operators, control flow (conditionals, loops), functions, and scope.**
- **Learned how to manipulate the Document Object Model (DOM) to interact with and modify web page content dynamically.**
- **Understood the importance of form validation with JavaScript for ensuring user input accuracy.**

Week 4: Intermediate JavaScript

- **Explored asynchronous JavaScript concepts like events, event listeners, callbacks, and Promises for handling user interactions and data fetching efficiently.**
- **Learned about ES6+ features (arrow functions, destructuring, modules) for writing cleaner, more maintainable JavaScript code.**
- **Built a To-Do List application to solidify your understanding of HTML, CSS, and JavaScript combined.**

Week 5: Front-End Frameworks

- **Introduced to React.js, a popular JavaScript library for building user interfaces with reusable components.**
- **Learned about components, props, state, lifecycle methods, and React Router for client-side routing in React applications.**
- **Built a Single Page Application (SPA) using React to gain practical experience with this framework.**

Week 6: Advanced React and State Management

- **Delved into React Hooks (useState, useEffect, etc.) for managing state and side effects in functional components.**
- **Learned about the Context API for sharing data across components without prop drilling.**
- **Explored Redux fundamentals, a popular state management library for JavaScript applications.**

Overall, this curriculum seems to cover a well-rounded foundation for web development. You've learned essential HTML, CSS, and JavaScript skills, along with a popular front-end framework (React) and state management techniques.

Do you have any specific questions about these technologies or what you learned? I'd be happy to help you explore them further.