Full Stack Web Development Internship Report

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Branch: COMPUTER SCIENCE Sec: C

YEAR: 3

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Internship Provider: Microsoft Learn Student Ambassador (MLSA)

Introduction:

Sarvagya Pratap Singh , a third-year Computer Science student at KIET Group of Institutions, has completed the Microsoft Learn Student Ambassadors (MLSA) online internship, demonstrating dedication towards technical development and academic growth.

Objective of the Internship:

The aim of the Microsoft Learn Student Ambassador (MLSA) internship in Full Stack Web Development was to acquire practical experience in creating engaging and responsive web applications. This program focused on enhancing both frontend and backend development abilities through involvement in real-life projects and gaining insights into web development.

Software and Tools Used:

Throughout the internship, the following software and tools were utilized:

• Frontend Technologies: HTML, CSS, JavaScript

• Version Control: GitHub

• Other Tools: Visual Studio Code (IDE)

Project 1: Todo List Application

#Objective: Develop a user-friendly application for task management, allowing users to effortlessly add, delete, and organize their to-dos.

#Description: During our internship, we embarked on creating a dynamic Todo List application. The goal was to craft an interactive web page where users could seamlessly input tasks through a form. Each task, once added, would instantly appear in a list, and users could delete tasks individually without refreshing the page. This project was a deep dive into JavaScript event handling.

#Key Learnings: This project was a fantastic opportunity to sharp our JavaScript skills, particularly in writing functions and managing events. Additionally, it allowed us to practice fundamental web design principles using HTML and CSS.

Project 2: Simple Calculator

#Objective: Craft a tool that effortlessly handles basic arithmetic operations like addition, subtraction, multiplication, and division.

#Description: During our internship, I embarked on developing a calculator application. The mission was to design an engaging web interface where users could input numbers and operations with ease. As users interacted with the buttons, the calculator dynamically updated the results, providing instant feedback without the need for a page refresh.

#Key Learnings: This project was a fantastic opportunity to sharpen our JavaScript skills, particularly in writing functions and managing events. Additionally, it allowed us to practice fundamental web

design principles using HTML and CSS, enhancing our ability to create visually appealing and functional web applications.

Conclusion:

The MLSA internship was a transformative journey into the world of full-stack web development. Through engaging projects like the Todo List and Calculator applications. This experience sharpened my problem-solving skills and taught me how to seamlessly integrate diverse technologies and tools. The hands-on approach not only enriched my technical knowledge but also significantly boosted my confidence in tackling real-world web development challenges.