



## **Project Report**

on

## **EASY & INTERMEDIATE LEVEL PROJECTS**

submitted in partial fulfillment for the award of

### **MLSA INTERNSHIP**

SESSION 2024-25

By

HIMANSHI MALIK (202401200200005)

**Under the supervision of**

**YASH KUMAR GOEL SIR**

**KIET Group of Institutions, Ghaziabad**

Affiliated to

**Dr. A.P.J. Abdul Kalam Technical University,  
Lucknow**

(Formerly UPTU)  
**OCTOBER, 2024**

# DECLARATION

I hereby declare that this submission is my own work and that, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which to a substantial extent has been accepted for the award of any other degree or diploma's internship of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Date: 28-10-2024

Name:Himanshi Malik

R.No.:202401200200005

# CERTIFICATE

This is to certify that Project Report entitled **EASY & INTERMEDIATE LEVEL PROJECTS** which is submitted by Himanshi Malik in partial fulfillment of the requirement for the award of MLSA INTERNSHIP in B. Tech. in Department of Computer Science and Engineering of Dr.A.P.J. Abdul Kalam Technical University, Lucknow is a record of the candidates own work carried out by them under my supervision. The matter embodied in this report is original and has not been submitted for the award of any other degree.

**Dr. Seema Maitrey Ma'am**  
**(INTERNSHIP HEAD)**

**Date:**

# ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the Internship Project undertaken during B.Tech. Second Year. I owe special debt of gratitude to SARVIN SRIVASTAVA SIR, INTERNSHIP COORDINATOR, MLSA KIET, Ghaziabad, for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. It is only his cognizant efforts that my endeavors have seen light of the day.

I also do not like to miss the opportunity to acknowledge the contribution of all the faculty members of the department for their kind assistance and cooperation during the development of our project.

Date:

Name:Himanshi Malik

Roll No.:202401200200005

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# Introduction

The MLSA KIET Chapter, are an integral part of the Microsoft Learn Student Ambassador (MLSA) community, the world's largest Microsoft student community. Their primary objective is to deliver the latest and most comprehensive knowledge about Microsoft's products. They provide unparalleled support and guidance to all students aspiring to pursue careers in the technology sector. The MLSA KIET Chapter is committed to training the students of KIET Group of Institutions in cutting-edge technologies, including Version Control, Generative AI, Azure Cloud Infrastructure, Microsoft 365 Suite, Power AI, Microsoft Reactor, Microsoft Cobalt, Dynamics 365, Defender MSFT and many more. Their mission is to equip students with the skills and knowledge needed to excel in the rapidly evolving tech industry.

**Introduction of Internship:** The MLSA KIET Chapter, under the guidance of Dr. Vineet Sharma, Head of the CSE Department and Chief Patron of MLSA KIET, and Dr. Seema Maitrey, Faculty Coordinator of MLSA KIET & Mentors (Core Team) of MLSA KIET, have designed an innovative and engaging internship program for the students of KIET Group of Institutions. This program is open to first year and second-year students who wish to participate in this internship opportunities. The internship program features pre-defined modules and learning paths from Microsoft Learn, offering a comprehensive and practical approach to mastering these paths and modules. The program spans one month and is structured to provide students with hands-on experience and in-depth knowledge of various Microsoft technologies. Through this initiative, They aim to equip students with the skills and expertise needed to excel in their academic and professional pursuits.

# TODO LIST

This ToDo List application serves as an efficient task manager with several features aimed at enhancing usability and aesthetics:

## 1. **User-Friendly Design and Accessibility:**

- Styled with a calming color scheme, the application is visually appealing and designed for ease of use. A soft purple theme, rounded elements, and subtle shadows create a welcoming interface.
- The layout ensures accessibility, with intuitive spacing and button placement, allowing users of various age groups to interact smoothly.
- For added accessibility, user-select is disabled on various elements to prevent accidental text selection, improving the interaction flow.

## 2. **Animations and Visual Feedback:**

- Subtle animations, such as a fade-in effect for new tasks and visual changes on hover, enhance user experience by providing immediate feedback.
- The drag-and-drop functionality is augmented by visual cues, making it easy for users to reorder tasks with real-time animation.

## 3. **Error Prevention and Handling:**

- The app utilizes SweetAlert2 to display pop-ups for error handling (e.g., duplicate or empty task input), adding a professional touch and helping users avoid common mistakes.
- Input validation helps ensure the input field is cleared after adding a task, while invalid entries are highlighted with animations to guide users toward corrective action.

## 4. **Mobile Compatibility:**

- Designed with Bootstrap and responsive CSS, the application works seamlessly on both desktop and mobile devices. This responsiveness ensures that users can manage their tasks on the go, without needing adjustments for different screen sizes.

## **5. Task Management and Storage:**

- The use of local storage for tasks allows data to persist between sessions, meaning users don't lose their progress if they accidentally close the browser.
- The application also offers a **Clear All** option with a confirmation prompt, preventing accidental deletions and giving users control over the task list.

## **6. Code Modularity and Future Enhancements:**

- Written in a modular fashion, the code is structured to easily allow future updates, such as adding task due dates, reminders, or priority levels.
- The potential for integrating cloud storage or user authentication can expand the functionality, transforming it into a more comprehensive task management solution.

Overall, this ToDo List application is a balanced example of functionality and design, with interactive features and a user-centric approach that makes task management simple and enjoyable. It can be an ideal project to demonstrate skills in front-end development, user interface design, and JavaScript functionality.



# PORTFOLIO

## Overview

- The Portfolio section is a curated showcase of technical expertise, design sense, and professional journey. It serves as an interactive digital resume, presenting core skills, selected projects, and significant accomplishments in a visually engaging format. This section aims to communicate not only capabilities but also a unique approach to solving challenges, creating value, and delivering impactful solutions.

## Purpose and Structure

- Designed to give potential employers, collaborators, and clients a comprehensive view of work, the Portfolio section highlights versatility across different domains. Each element within this section has been chosen carefully to demonstrate skill level, adaptability, and depth of experience. By combining visual elements with technical insights, the portfolio offers a balanced narrative that represents a professional identity and goals.

## Core Elements

- **Projects:** Showcases key projects that reflect practical skills and creative problem-solving abilities. Each project listing provides a summary of the project's objectives, technologies used, challenges faced, and the final outcomes or impact, giving viewers a clear understanding of technical capabilities and contributions.
- **Skills:** A categorized breakdown of technical and soft skills, highlighting proficiency in areas such as programming languages, frameworks, and design tools. The skills section is often visualized through icons, bars, or charts to make it engaging and easy to read.
- **Achievements and Certifications:** This sub-section lists significant recognitions, awards, and certifications that have been earned. These accolades underscore a commitment to continuous learning and highlight accomplishments that add to professional credibility.
- **Design and Personal Branding:** Reflects personal branding through consistent styling, color schemes, and tone, providing an immersive experience that aligns with professional ethos and personal style.

## User Experience and Interactivity

- **Responsive Design:** Ensures seamless access and optimized display across devices, maintaining both functionality and visual appeal on desktops, tablets, and smartphones.
- **Navigation:** Organized in a logical flow that enables viewers to easily explore various sections, making it intuitive for users to find relevant information on projects and skills.
- **Animations and Effects:** Incorporates subtle animations, such as hover effects and transitions, to enhance interactivity without distracting from the content. These effects add a layer of sophistication, making the user experience both enjoyable and professional.

# Conclusion

- **Summary**

My MLSA internship has been an invaluable experience, allowing me to develop practical web development skills through hands-on projects.

- **Key Achievements**

Successfully built a To-Do List application and a Portfolio Website, demonstrating my proficiency in HTML, CSS, and JavaScript.

- **Learning Outcomes**

Enhanced my understanding of front-end development, user experience design, and responsive web design.

- **Future Aspirations**

I am excited to apply the skills and knowledge gained during this internship to more complex and impactful projects in the future.

- **Acknowledgements**

A big thank you to the MLSA program for this opportunity and to my mentors and peers for their support and guidance.