A REPORT

ON

AdminLTE Dashboard Web Design

Submitted by

AMRUTKUMAR BANDIHAL **20211CAI0158**

Under the Guidance of,

Dr. Sivaramakrishnan S

Associate Professor

In partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

AT

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

BANGALURU

MAY - 2025

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship report "**AdminLTE Dashboard Web Design**" being submitted by "AMURTKUMAR BANDIHAL " bearing roll number " 20211CAI0158 " in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.

Dr. Sivaramakrishnan S
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Dr. Zafar Ali Khan N
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DECLARATION

I hereby declare that the work, which is being presented in the internship report entitled **AdminLTE Dashboard Web Design,** in Partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering(Artificial Intelligence and Machine Learning)** is a record of our own investigations carried under the guidance of **Dr. Sivaramakrishnan S, Associate Professor, Presidency School of Computer Science Engineering, Presidency University, Bengaluru.** We have not submitted the matter presented in this report anywhere for the award of any other Degree.

Name	Roll No	Signature
Amrutkumar Bandihal	20211CAI0158	

ACKNOWLEDGEMENT

First of all, I indebted to the **GOD ALMIGHTY** for giving me an opportunity to excel in our efforts to complete this project on time. I express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro-VC - Engineering and Dean, Presidency School of Computer Science Engineering & Information Science, Presidency University for getting us permission to undergo the project.

I express my heartfelt gratitude to our beloved Associate Dean **Dr. Mydhili Nair,** Presidency School of Computer Science Engineering, Presidency University, and Dr. **Zafar Ali Khan N**, Head of the Department, Presidency School of Computer Science Engineering, Presidency University, for rendering timely help in completing this project successfully.

I am greatly indebted to our guide **Dr. Sivaramakrishnan S , Associate Professor** and Reviewer **Mr. Jai Kumar B, Professor**, Presidency School of Computer Science Engineering, Presidency University for his inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the project work.

I would like to convey our gratitude and heartfelt thanks to the PIP2001 Capstone Project Coordinators **Dr. Sampath A K and Mr. Md Zia Ur Rahman,** department Project Coordinators **Dr. Afroz Pasha** and Git hub coordinator **Mr. Muthuraj.**

I thank our family and friends for the strong support and inspiration they have provided us in bringing out this project.

Amrutkumar Bandihal

ABSTRACT

AdminLTE Dashboard Web Design

The AdminLTE Dashboard Web Design Project represents a comprehensive and individually executed frontend development effort carried out as part of my internship at Fidrox Technologies. The central aim of this project was to conceptualize, design, and build a highly functional, visually appealing, and fully responsive admin dashboard using only frontend web technologies. This initiative served both as a technical proof-of-concept and as a demonstration of how sophisticated user interfaces can be created without relying on backend systems.

The project employed a suite of technologies including HTML5, CSS3, JavaScript, Bootstrap, jQuery, Toastr.js, and jqGrid. AdminLTE—an open-source dashboard template built on Bootstrap—served as the structural foundation, offering pre-designed UI components and layout utilities. These technologies were integrated to develop a modular and interactive dashboard interface featuring data visualization, dynamic tables, real-time alerts, and essential admin panel utilities like calendars and messaging modules.

A key distinguishing factor of the project is its frontend-only architecture. There was no usage of backend services, server-side scripting, or database systems. All functionalities were executed on the client side, utilizing static data and plugin configurations to simulate dynamic behavior. This design choice made the system ideal for rapid prototyping, UI/UX demonstrations, and frontend skill development.

The report provides a detailed walkthrough of the development process, including requirement analysis, system design, component implementation, and user interface behavior. It also reflects on technical challenges, performance evaluations, user experience testing, and areas for future improvement. By demonstrating the capability of frontend technologies to deliver near-complete web applications, this project establishes a solid foundation for scaling into full-stack development or extending into more complex, production-ready systems.