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**(Autonomous Institution Affiliated To VTU, Belagavi)**

**DEPARTMENT OFCOMPUTER SCIENCE AND ENGINEERING**

**(DATA SCIENCE)**

# CERTIFICATE

This is to certify that the Internship report entitled **“Dashboard Built Using React (Web Development)”** is a bonafide work carried out by **CHAITHANYA L** **(1MJ20CD045)** in partial fulfillment for the award of the degree of Bachelor of Engineering in Computer Science and Engineering (Data Science) of Visvesvaraya Technological University, Belagavi during the academic year 2024 – 2025. It is certified that all the corrections/suggestion indicated fir Internal Assessment have been incorporated in the report. The Internship report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.



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# DECLARATION

I, IJA JAYADURGA (1MJ21CD017), hereby declare that the Internship titled **“Dashboard Built Using React (Web Development)”** embodied in this report has been carried out by me during VIII Semester of B.E degree at MVJCE Bangalore affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM. The work embodied in this report is original and it has not been submitted in part or full for any other degree in any University.

### CHAITHANAYA L

**1MJ20CD045**

Date:

Place: BANGALORE

# INTERNSHIP CERTIFICATE

# 

**ACKNOWLEDGEMENT**

The satisfaction and euphoria that accompany the successful completion of any task would be incomplete without mentioning the people who made it possible. Success is the epitome of hard work and perseverance, but steadfast of all is encouraging guidance.

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# i

# ABSTRACT

# This project focuses on the development of a dynamic front-end dashboard using Angular and Material Design to create an intuitive, user-friendly interface for data visualization and monitoring. The dashboard is built using the Material Dashboard template, which provides a clean, responsive layout with modular components such as navigation bars, cards, charts, and tables. Designed for administrative purposes, the dashboard enables users to interact with real-time data through RESTful API integration. Key front-end features include component reusability, route-based navigation, data-bound UI elements, and responsive design that ensures compatibility across devices. The use of Angular’s powerful CLI, along with Angular Material components, enhances both development efficiency and user experience. This project demonstrates how a well-structured front-end can serve as a reliable interface for complex data-driven applications and lays the groundwork for future enhancements such as real-time alerts, user role management, and advanced analytics integration.

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