A Seminar Report

on

"INTERNSHIP EXPERIENCE"

Under the company **Cloud4Things**

Submitted in partial fulfillment of the requirement for the award

of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE & ENGINEERING

Submitted by

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Under the Guidance of

Mr. Vaibhav Kant Singh

(Assistant Professor)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SCHOOL OF STUDIES IN ENGINEERING AND TECHNOLOGY,

GURU GHASIDAS VISHWAVIDYALAYA ,

BILASPUR , CHHATTISGARH

JULY 2024 - OCTOBER 2024

INTERNSHIP CERTIFICATE

Cloud4Things

To

Manya Sharma

INTERNSHIP COMPLETION CERTIFICATE

Dear Manya Sharma,

This is to certify that Ms. Manya Sharma successfully completed a summer internship at Cloud4Things from May 21, 2024, to June 25, 2024, under the guidance of Pranshu Tiwari. During the period of her internship program with us, Ms. Sharma demonstrated diligence, hard work, and a keen sense of inquiry. She was exposed to various processes and projects, and her contributions were valuable to the team.

We commend Ms. Sharma for her excellent work and wish her continued success in her future endeavors.

For Cloud4Things Technologies Private Limited

Authorized Signatory

Dated: 12.07.2024

Cloud4Things Technologies Pvt Ltd
Registered Office: 93 Avinash Nagar Barkhera Bhopal, MP-462022

INTRODUCTION

1.1 Overview of Cloud4Things

Cloud4Things is a pioneering cloud-native Software as a Service (SaaS) platform designed to revolutionize the management of utilities such as electricity, water, and gas. In response to the growing demand for efficient and sustainable utility management, Cloud4Things offers a comprehensive solution that enables utility providers to streamline operations, enhance customer service, and optimize resource usage. The platform is built with a focus on scalability, flexibility, and security, allowing utility companies to manage their infrastructure with precision. By leveraging advanced technologies such as artificial intelligence, machine learning, and the Internet of Things (IoT), Cloud4Things provides real-time insights, predictive analytics, and automation capabilities. This empowers utility providers to monitor and control their assets remotely, optimize energy consumption, detect leaks and anomalies, and proactively address issues before they escalate. Cloud4Things not only improves operational efficiency but also enhances customer satisfaction by ensuring uninterrupted service and timely responses to inquiries. The platform's innovative approach addresses several key challenges in the utility sector, including fragmented systems, lack of real-time insights, and inefficient resource allocation. By providing a centralized solution, Cloud4Things enables utility providers to adapt to the evolving needs of their customers and the environment, ultimately contributing to a more sustainable future. With its commitment to innovation and sustainability, Cloud4Things is poised to set new standards for efficiency and reliability in utility management, making it a critical player in the transformation of the utility industry.

1.2 Purpose of the Report

The purpose of this report is to provide an overview of my internship experience at Cloud4Things, focusing on the key learnings and skills acquired in Java and Spring Boot development. The report aims to highlight the following:

1. Background of Cloud4Things and its mission to revolutionize utility management through innovative technologies.
2. My motivation for pursuing this internship, including the desire to learn Java and Spring Boot and apply my knowledge to real-world projects.
3. The internship experience, including onboarding, assigned projects, and collaboration with team members.