

# Weekly Progress Report

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**Domain: Cloud Computing**

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**Week Ending: 04**

## **I. Overview:**

This week, the primary focus was on understanding USC\_TIA and contributing to projects. Additionally, efforts were made to leverage learning resources for skill enhancement.

This weekly progress report outlines the activities and accomplishments during the second week of the Edunet internship in Cloud Computing . The report provides a summary of tasks completed, challenges encountered, and lessons learned.

## **II. Achievements:**

- Overview of ThingSpeak as an IoT analytics platform.
- Creating an account on ThingSpeak.
- Setting up a new channel for data collection.
- Visualizing data on ThingSpeak dashboards.

## **Project Contributions:**

### **Name of the project:-**

"I was instrumental in the development of the 'Online Education Platform,' utilizing my expertise in AWS technologies. My primary contributions involved implementing crucial features for a rich online learning experience. I architected virtual classrooms,

integrated video conferencing capabilities, and enhanced collaboration tools to ensure smooth interactions between educators and students."

### **Significant Contributions**

- Significantly influenced the project's direction by analyzing hardware requirements for cloud computing, ensuring efficient resource allocation and utilization.
- Strengthened the project's technical foundation by acquiring expertise in installing essential libraries, establishing a solid and reliable development environment.

### **USC TIA Integration:**

- Undertook the complex task of integrating USC\_TIA with cloud services, facing and addressing numerous challenges.
- Committed to ongoing troubleshooting to resolve issues and ensure seamless integration.

### **Challenges and Hurdles**

- Overcame initial hurdles in getting started with ThingSpeak, mastering the setup and data visualization processes.
- Handled issues in live sensor data upload to IBM Bluemix, ensuring accurate and real-time data transmission.
- Successfully balanced self-paced learning with internship responsibilities by implementing efficient time management strategies, ensuring optimal productivity.

### **Learning Resources:**

- Acquired proficiency in leveraging online resources and documentation for troubleshooting purposes, honing the ability to independently resolve issues and enhance problem-solving skills.
- Value of persistence and patience when facing technical challenges.

## **Conclusion**

The fourth week of the Edunet internship in cloud computing has marked a pivotal juncture in my journey, where profound learning and notable achievements have taken center stage. Engaging in hands-on exercises and fostering collaboration, I've not only deepened my understanding of fundamental cloud concepts but also accomplished crucial setup milestones on the AWS platform.

## **V. Next Week's Goals:**

### **1. USC\_TIA Enhancement:**

- Address integration challenges and explore advanced USC\_TIA features.
- Collaborate with peers to contribute to USC\_TIA improvement discussions.

### **2. Project Development:**

- Tackle more complex tasks within the project to increase contribution.
- Seek feedback from mentors and peers for continuous improvement.