

# **Weekly Progress Report**

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## **Week Ending: 04**

### **I. Overview:**

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

### **II. Achievements:**

#### **1. Types of machine learning Familiarisation:**

- Explored books on machine learning to grasp core functionalities.
- Successfully executed basic tasks, showcasing initial proficiency using python language.

#### **2. Python Project Contributions:**

**Name of the project:-** Titanic data analytics using python

- Contributed code for prediction with a focus on Intermediate python and machine learning.

#### **3.Learning Python:**

- Acquired proficiency in essential Python libraries, such as [ scikit-learn, seaborn].
- Applied Python skills to real-world problems within USC\_TIA context.

### **III. Challenges:**

- Encountered challenges during Machine Learning.
- Ongoing efforts to troubleshoot and ensure successful integration.

#### **Python Project Complexity:**

- Faced complexity in understanding Prediction and response of the Python project.
- Seeking guidance to overcome challenges and enhance understanding.

### **IV. Learning Resources:**

### **1. Machine Learning books:**

- Utilized Machine learning books for reference and troubleshooting.
- Attended relevant webinars and online tutorials to deepen understanding.

### **2. Python Learning Resources:**

- Engaged with “machine learning with python” to strengthen Python skills.
- Participated in leet code challenges for practical application.

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

#### **1. Python Project Development:**

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

### **VI. Additional Comments:**

I would like to use your instructions so kindly help me with the basics and advance problems.