

# **Weekly Progress Report**

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Domain: Python Programming

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**Week Ending: 02**

## **I. Overview:**

This week, the primary focus was on understanding USC\_TIA and contributing to Python projects. Additionally, I developed a file organizer project using python. The program automatically organizes files in a folder based on their file extensions.

## **II. Achievements:**

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

- Explored USC\_TIA documentation to grasp core functionalities.
- Successfully executed basic tasks, showcasing initial proficiency.

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

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

- Implemented a file organizer script that automatically categorizes files into folders based on their file extensions.

- Engaged in effective collaboration with team members.

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

- Acquired proficiency in essential Python libraries, such as os, pathlib for file handling and automation task
- Applied Python skills to real-world problems within USC\_TIA context.
- Enhanced my understanding of practical python application

## **III. Challenges:**

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

- Encountered challenges during USC\_TIA integration with concepts to structure file organizer workflows.
- Ongoing efforts to troubleshoot and ensure successful integration.

## **2. Python Project Complexity:**

- Faced complexity in handling dynamic file paths, managing duplicate file names, and implementing conditional logic of the Python project.
- Seeking guidance to overcome challenges and enhance understanding.

## **IV. Learning Resources:**

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

- Utilized USC\_TIA official documentation for reference and troubleshooting.
- Attended relevant webinars and online tutorials to deepen understanding.

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

- Engaged with official documentation and online tutorials to strengthen Python skills.
- Participated in reviewed community discussions for practical application.

## **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. 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:**

*The File organizer was successfully implemented and tested. It provided hands on experience with automation and file management in Python.*