**Weekly Progress Report**

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Domain: PYTHON

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**Week Ending: 01**

**I. Overview:**

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

**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:- PASSWORD MANAGER**

* Contributed code to “Password Manager” with a focus on establishing solid foundation for the project by researching about required resources.
* Engaged in effective collaboration with team members.

**3.Learning Python:**

* Acquired proficiency in essential Python libraries, such as NumPy, Matplotlib, Seaborn.
* Applied Python skills to real-world problems within USC\_TIA context.

III. Challenges:

1. **USC\_TIA Integration:**
   * Encountered challenges during USC\_TIA integration with VS Code (IDE).
   * Ongoing efforts to troubleshoot and ensure successful integration.
2. **Python Project Complexity:**
   * Faced complexity in understanding all the available libraries required for 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 Edunet – Winter Internship in Python by UpSkill Campus to strengthen Python skills.
   * Participated in Coding Ninja 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:**

I’m excited to start building the password manager and leveraging my Python Skills for practical and useful application. I’m also eager to contribute to USC\_TIA projects and gain valuable experience from the community.