

# Weekly Progress Report

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**Week Ending: 01**

## **I. Overview:**

This week, the primary focus was on understanding Python modules for Plant Disease Detection like YOLO3 ,Image processor etc and contributing to Python projects. Additionally, efforts were made to leverage learning resources for skill enhancement.

## **II. Achievements:**

### **1. Python Modules:**

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

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

**Name of the project:- Plant Disease Detection In Agriculture.**

- Contributed code to Plant Disease Detection In Agriculture with a focus on Detect the plant diases.

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

- Acquired proficiency in essential Python libraries, such as scikit-learn, TensorFlow and Keras, Yolvo etc.
- Applied Python skills to real-world problems within **Plant Disease Detection**.

### III. Challenges:

#### **1. Plant Disease Detection Integration:**

- Encountered challenges during Plant Disease Detection integration with a large amount of dataset .

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

- Faced complexity in understanding Image processing complexity, feature Extraction ,Model selection and optimition and many more of the Python project.
- Seeking guidance to overcome challenges and enhance understanding.

### IV. Learning Resources:

#### 1. Plant Disease Detection Documentation:

- Utilized Plant Disease Detection official documentation for reference and troubleshooting.
- Attended relevant webinars and online tutorials to deepen understanding.

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

- Engaged with github ,youtube,Stack overflow,Kaggle to strengthen Python skills.

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

#### **1. Plant Disease Detection Enhancement:**

- Address integration challenges and explore advanced Plant Disease Detection features.

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

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