WEEKLY REPORT

Work done in last week:

1. Started training the YOLO model using the annotated dataset exported from Roboflow (Keyboard and Mouse classes).
2. Configured training parameters like epochs, batch size, and image size.
3. Observed training progress through loss curves and accuracy metrics.
4. Tested the trained model on a small validation set — achieved initial detection results for Keyboard and Mouse.
5. Documented challenges faced during training (GPU usage, training time, dataset size).

Reason for incomplete work:

1. Model accuracy still needs improvement — false detections observed in some cases.
2. Could not complete multiple training runs due to long processing time.
3. Hyperparameter tuning (learning rate, optimizer) not yet performed.

Plans for next week:

1. Fine-tune the YOLO model with adjusted hyperparameters.
2. Apply data augmentation within Roboflow to improve dataset variety.
3. Re-train the model and compare results with the initial training run.

Signature of External Guide   **Signature of Internal Guide**

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