Design process

| **Step** | **Action** |
| --- | --- |
| 1️⃣ | Install YOLOv8 (pip install ultralytics) |
| 2️⃣ | Convert CSV to YOLO format (bounding boxes) |
| 3️⃣ | Split dataset into **train/val/test** |
| 4️⃣ | Create dataset.yaml |
| 5️⃣ | Train YOLOv8 (yolo task=detect mode=train) |
| 6️⃣ | Test model on new images |
| 7️⃣ | Export model for deployment |