

# AI applications on images

# Objectives

- AI tasks overview with images
  - Classification
  - Detection
  - Segmentation
- Object Detection Model Training
  - Dataset Curation
  - Dataset labelling
  - Model training and testing using Yolo
- Object Detection Model Deployment
- Object Detection Model Monitoring

# Images and Neural Networks

[CNN](#)

# AI Tasks images

 Detect

Person 99%



 Segment



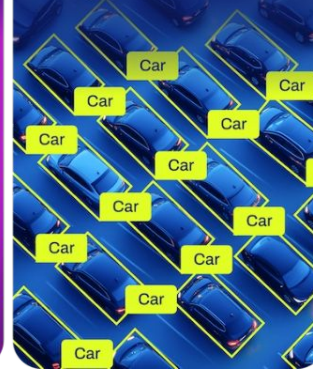
 Classify



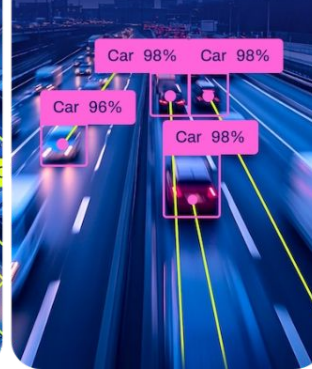
 Pose



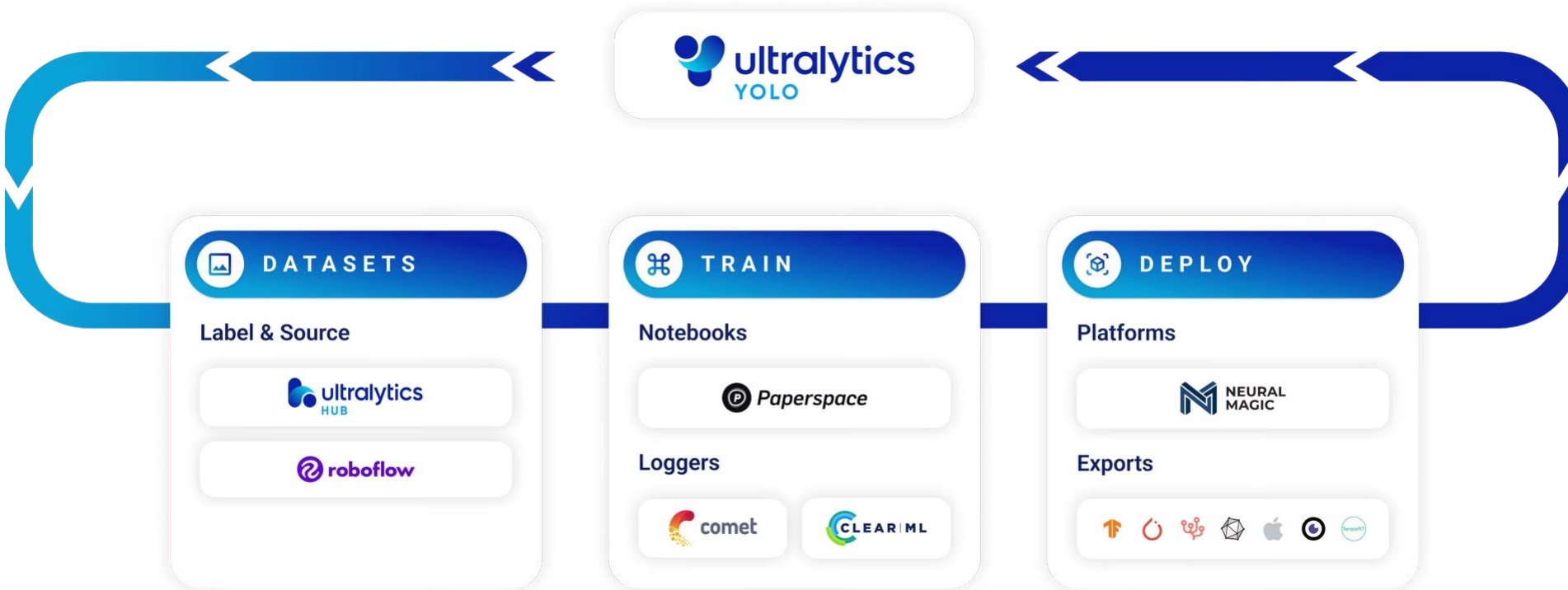
 OBB



 Track



# Dataset Prep to Deployment



# Dataset preparation

[Roboflow](#)

# Training and testing

[yolov11 training](#)

# Deployment and Monitoring

[Alops](#)

# Deployment of yolo Models

[Deployment](#)