

Final Project

Objective :

As a group: solve one of the following CV challenges. Then present your work (still as a group) on the final day of the course.

Challenges :

- Chess Position Detection
- Self-Driving Car Segmentation
- Image Dataset Generation
- Self-made project

Suggested Dataset :

- NA

Ressources:

- NA

Livrables :

- **A notebook** (html or github link) :
 - Data exploration / Generation
 - Models training
 - Performance evaluation
- **BONUS: Experiment tracker:**

- Implement an experiment tracker such as MLFlow.
- Submit a public link toward the dashboard summarizing your experiment or a screenshot of the dashboard.

Evaluation criterias (110 / 100 pts) :

Skill	Description	Points
Documentation (markdown)	<ul style="list-style-type: none">• Your strategy is explained.• Your code is commented when needed.• The model selection and hyperparameters selection is explained.• The performances are commented on.• Bibliographical references are present.	30
Code (python)	<ul style="list-style-type: none">• All blocks necessary to implement your strategy are present.• Specialized libraries have been used.• All notebook cells have been executed successfully sequentially.	30
Performances	<ul style="list-style-type: none">• A baseline is defined.• More than one model is tested.• All necessary comparisons are done.• Figures are readable and legends are present.• A proper evaluation metric was selected.	40
Bonus	<ul style="list-style-type: none">• The dashboard is submitted.	10