

La réalisation de ce projet a subi trois phases principales :

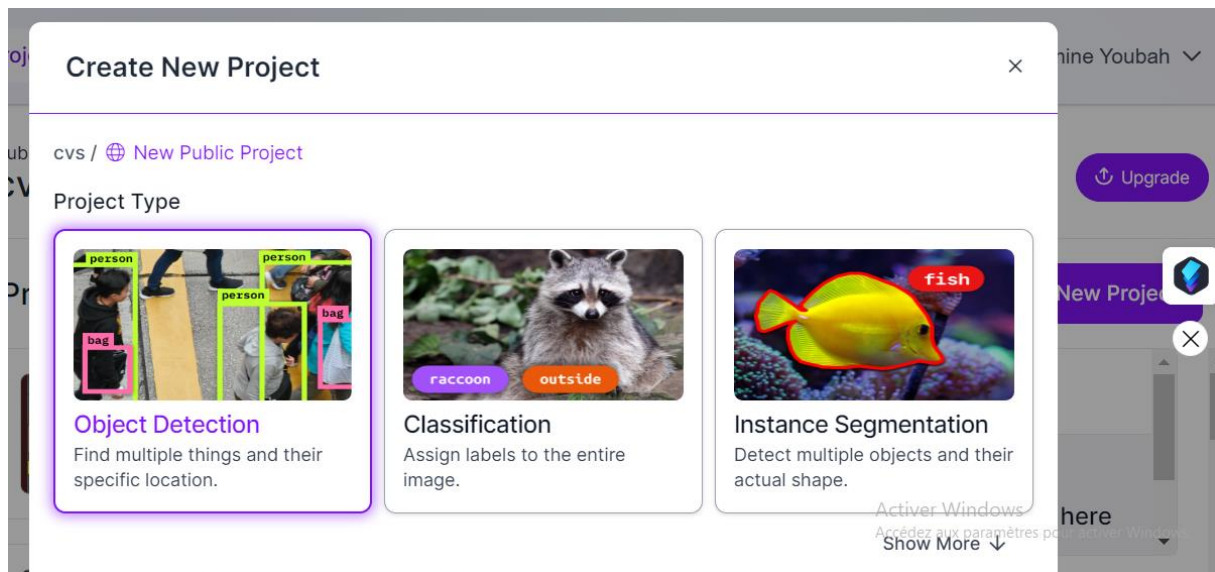
phases 1 : Réformatage des Annotations vers le Format YOLO

phases 2 :Entraînement du Modèle

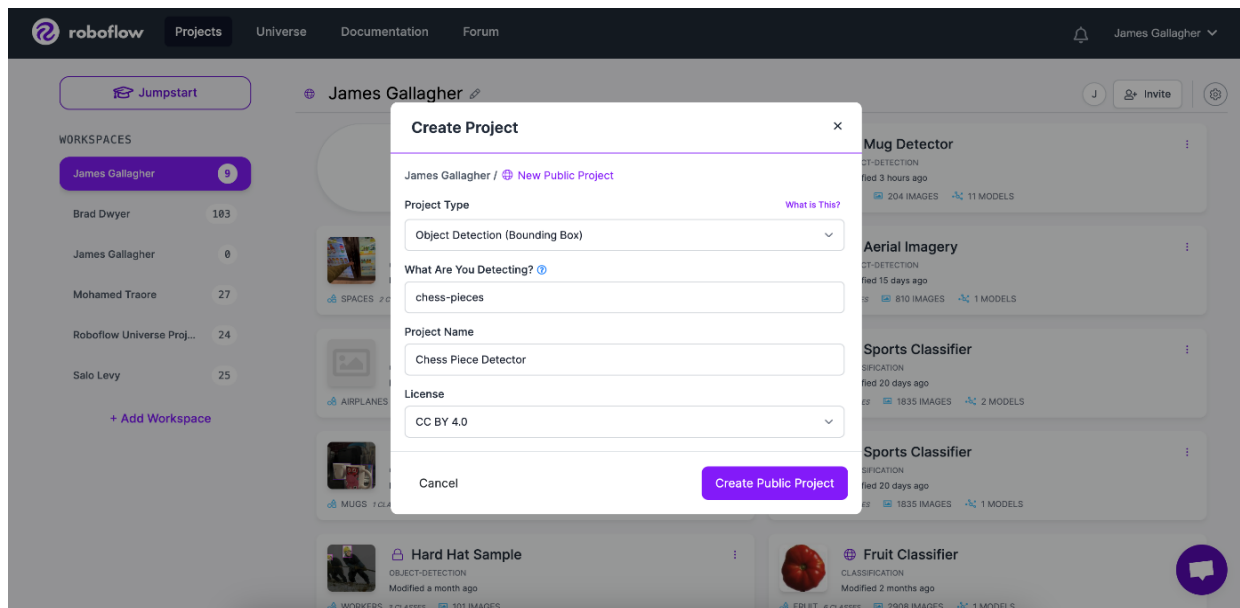
phases 3 :Construction de l'API Flask

Réformatage des Annotations vers le Format YOLO

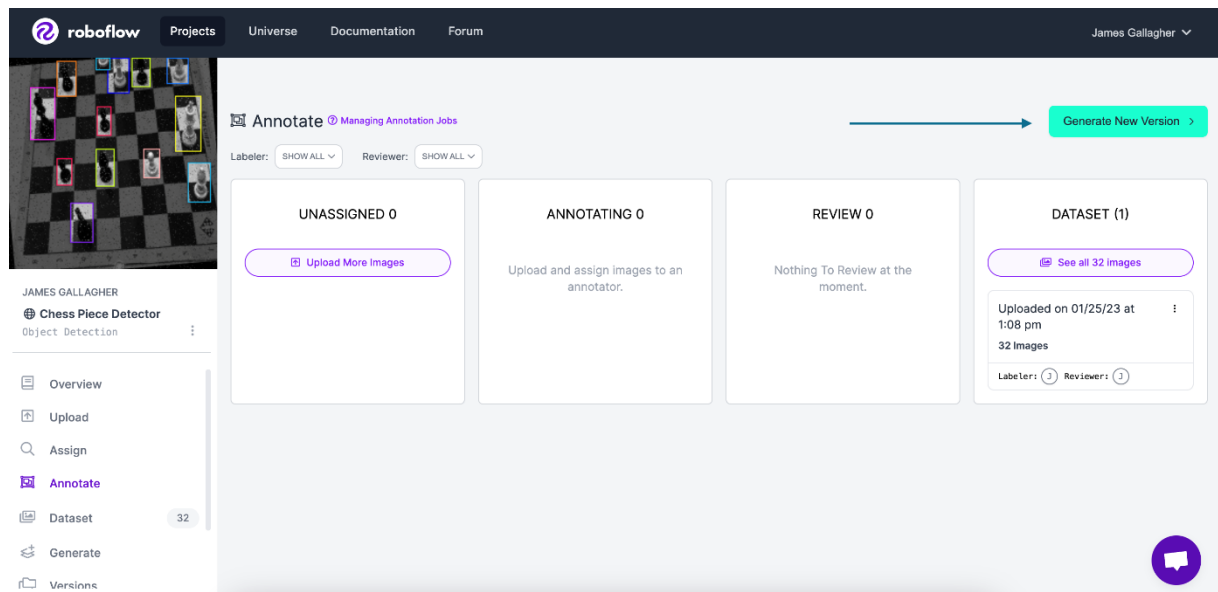
Étape 1 : Créez un espace de travail public Roboflow gratuit



Étape 2 : Importez vos données dans Roboflow



Étape 3 : Générez une version de jeu de données



phases 2 :Entraînement du Modèle

The diagram illustrates the Ultralytics YOLOv8 workflow, which consists of three main stages: **DATASETS**, **TRAIN**, and **DEPLOY**.

- DATASETS**: Includes 'Label & Source' and the Roboflow logo.
- TRAIN**: Includes 'Notebooks' (Paperspace), 'Loggers' (CLEAR ML, comet), and the Ultralytics logo.
- DEPLOY**: Includes 'Platforms' (Neural Magic) and 'Exports' (various model export formats).

Below the diagram is a screenshot of a Google Colab notebook titled 'Train YOLOv8n on COCO8 for 50 epochs'. The code cell shows the following command:

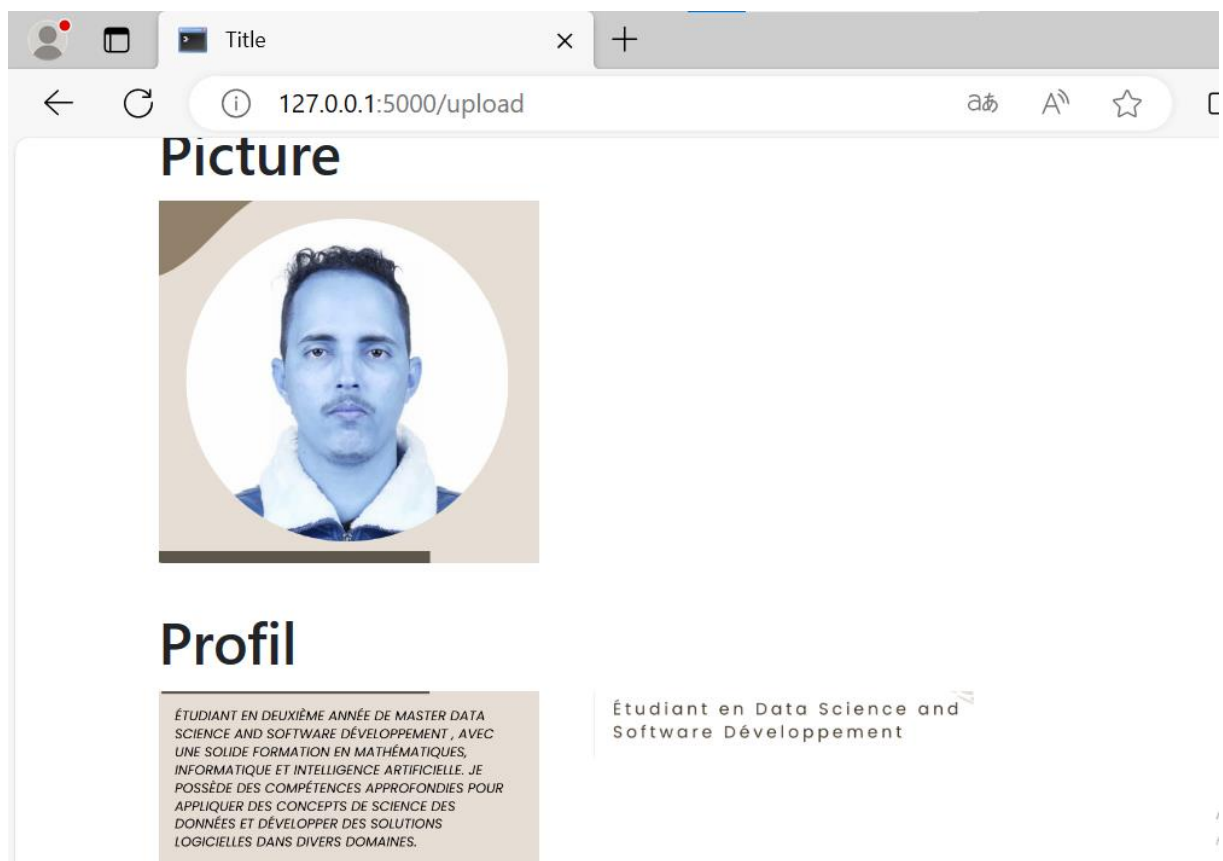
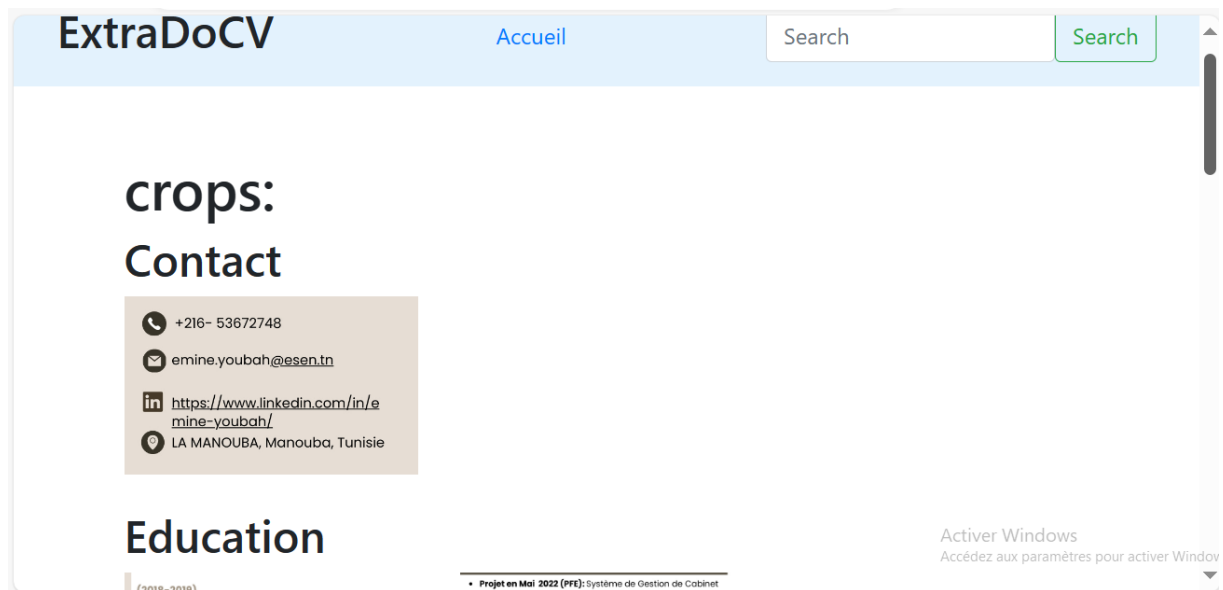
```
!yolo train model=yolov8s.pt data=data.yaml epochs=35 imgsz=640
```

The output shows the training progress and a summary table of the model's performance:

	from	n	params	module	arguments
0	-1	1	928	ultralytics.nn.modules.conv.Conv	[3, 32, 3, 2]
1	-1	1	18560	ultralytics.nn.modules.conv.Conv	[32, 64, 3, 2]
2	-1	1	29056	ultralytics.nn.modules.block.C2f	[64, 64, 1, True]

phases 3 :Construction de l'API Flask

The screenshot shows the ExtraDoCV web application interface. The header includes the title 'ExtraDoCV', a navigation link 'Accueil', and a search bar with a 'Search' button. The main content area has a section titled 'Choisir un fichier (PDF ou image)' with a file selection button labeled 'Choisir un fichier' and a status message 'Aucun fichier n'a été sélectionné'. Below this is a blue 'Envoyer' button. The footer section is titled 'contacte' and includes the email 'emine.youbah@esen.tn', the phone number '+222 27707210', and the copyright notice '© 2023 SAI. ALL RIGHTS RESERVED.'.



Extraction du texte en utilisant Tesseract

