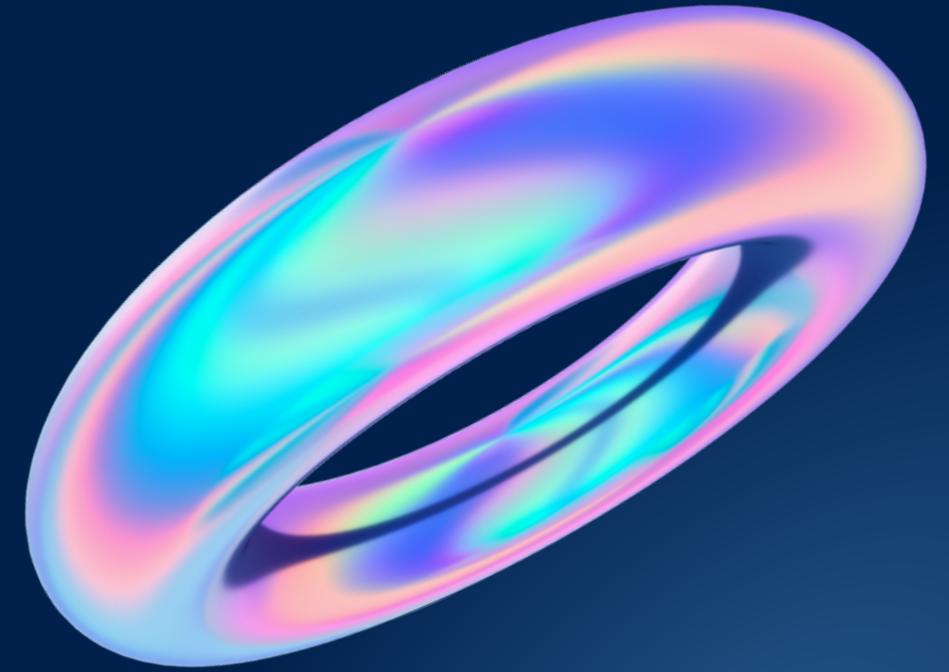




Zoidberg

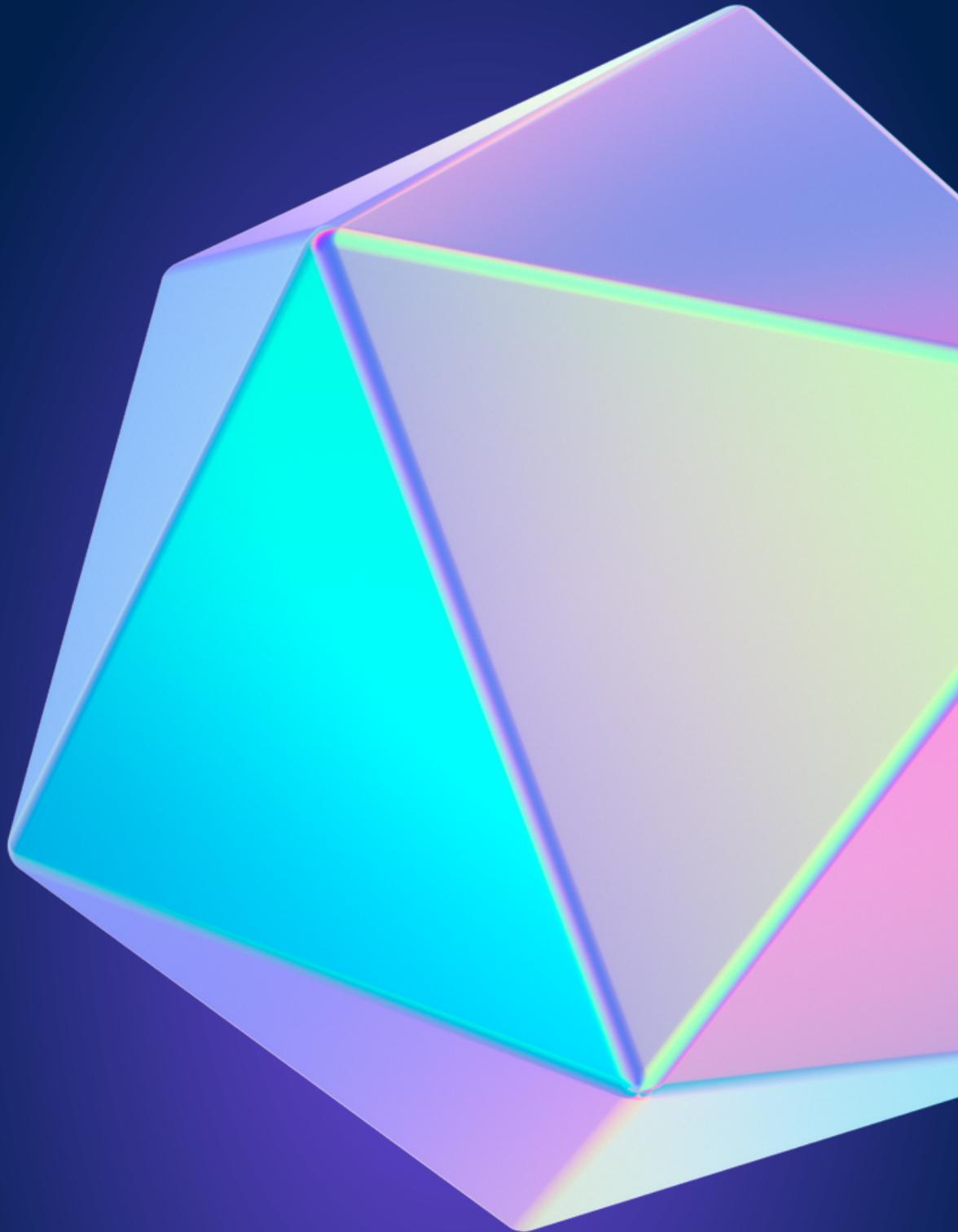
Presentation





Zoidberg

Avec des images de radiographie, aider les médecins à déetecter les cas de pneumonie



Team



Elisa MORILLON
Développeuse



Franck MINASSIAN
Développeur



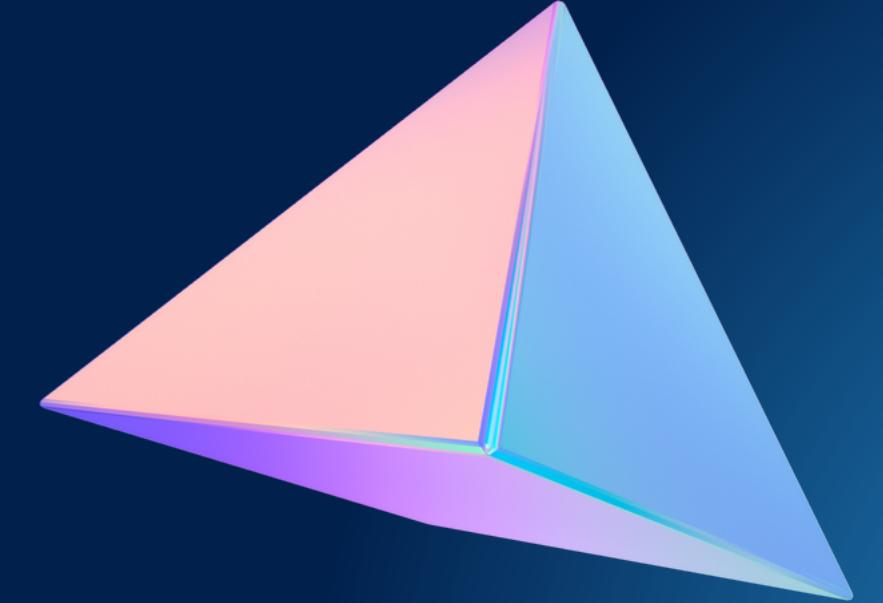
Iliam AMARA
Développeur



Guillaume BLEYER
Développeur

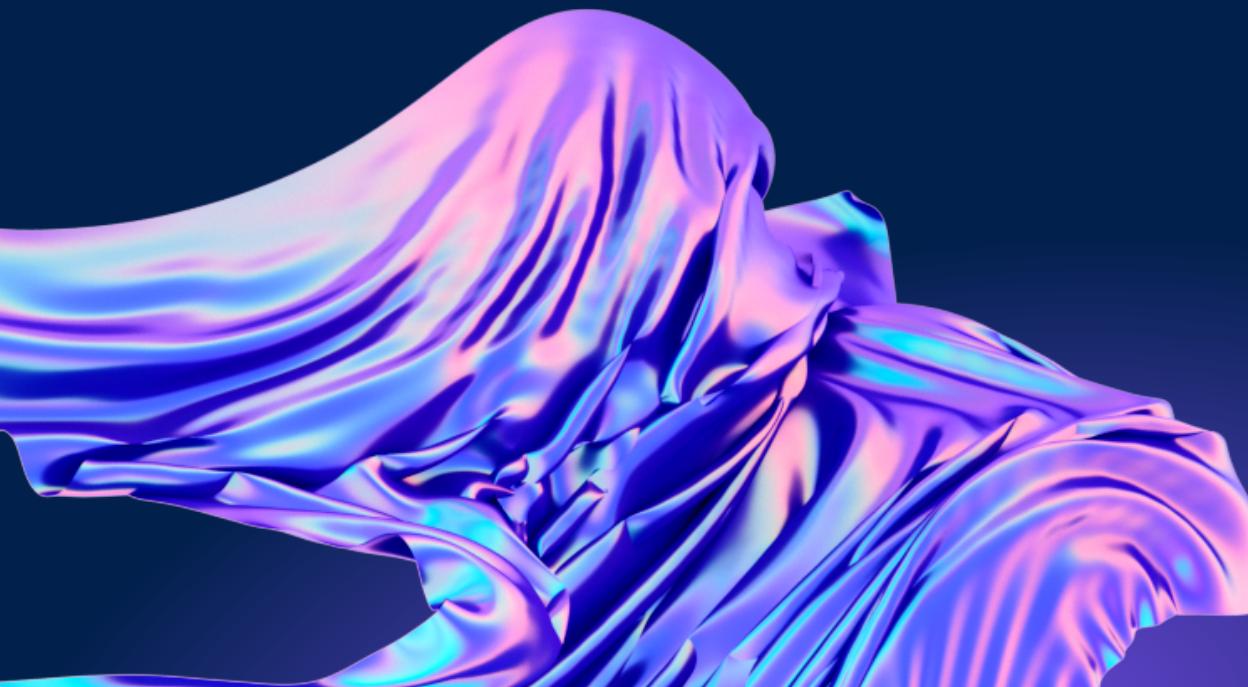


Samuel CADAU
Développeur



But du projet

S'instruire à l'Intelligence Artificielle en
essayant de créer des programmes
permettant de détecter des pneumonies
chez des patients



Roadmap

Formation

- Formation sur le domaine de l'IA
- Compréhension des outils

Création

- Analyse des différents type de modèle
- Création + entraînement des modèles

Analyse

- Comparaison des résultats
- Analyse finale pour définir le résultat

Technologies



Processeus

Formatage

Préparation des dataset: formatage des tailles d'images, tri des différentes data, etc...

Création des modèles

Importation des différentes librairies et création des réseaux de neurone.

Entrainement / Test des modèles

Entrainement sur des datasets de test pour vérifier la viabilité du modèle

Différents modèles

Différents modèles



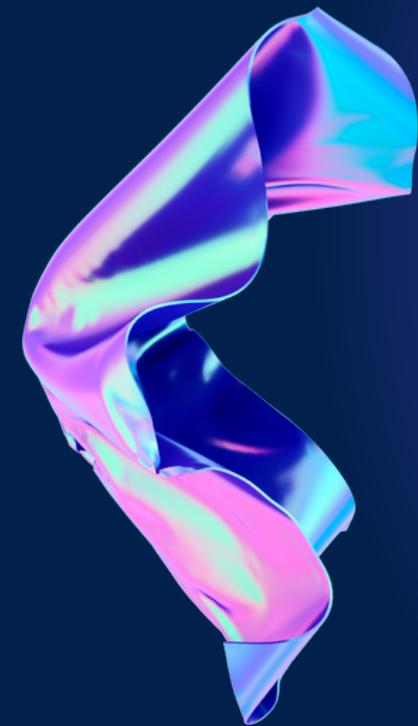
CNN

3 types différents de réseaux de neurones convolutifs



ANN

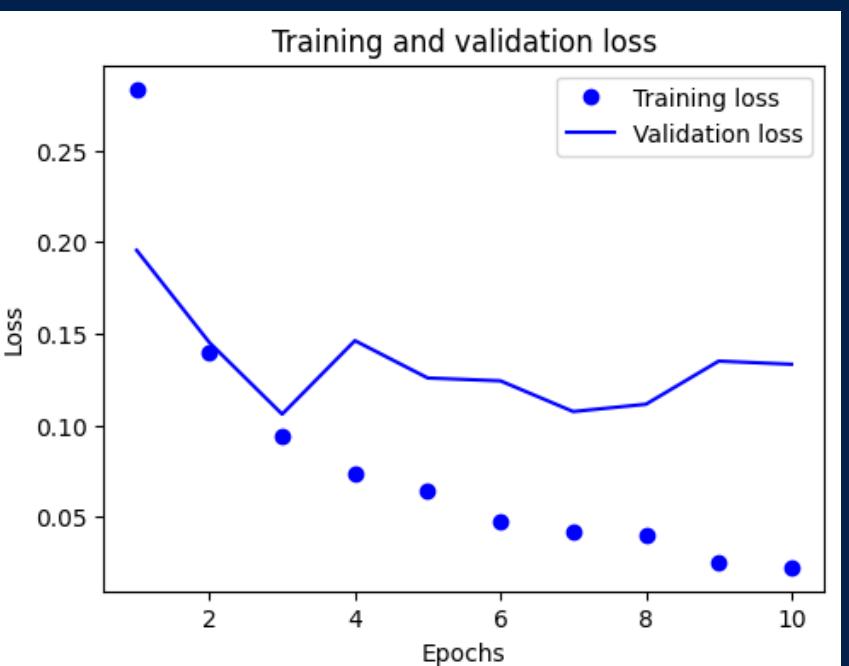
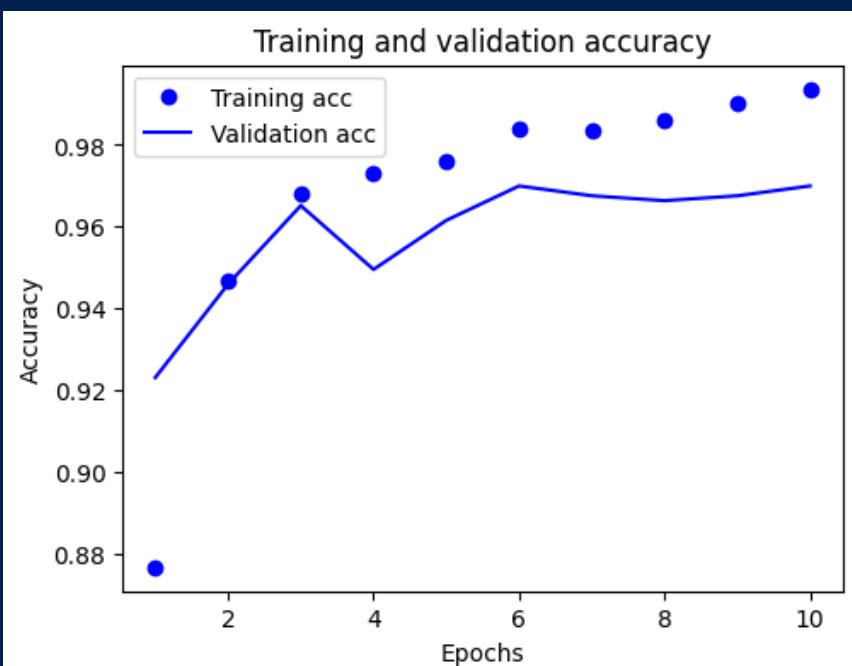
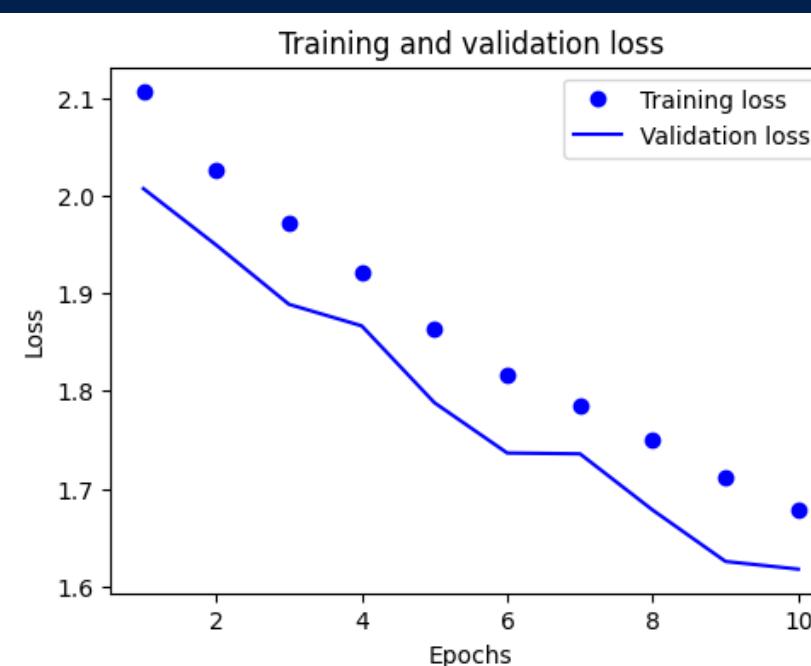
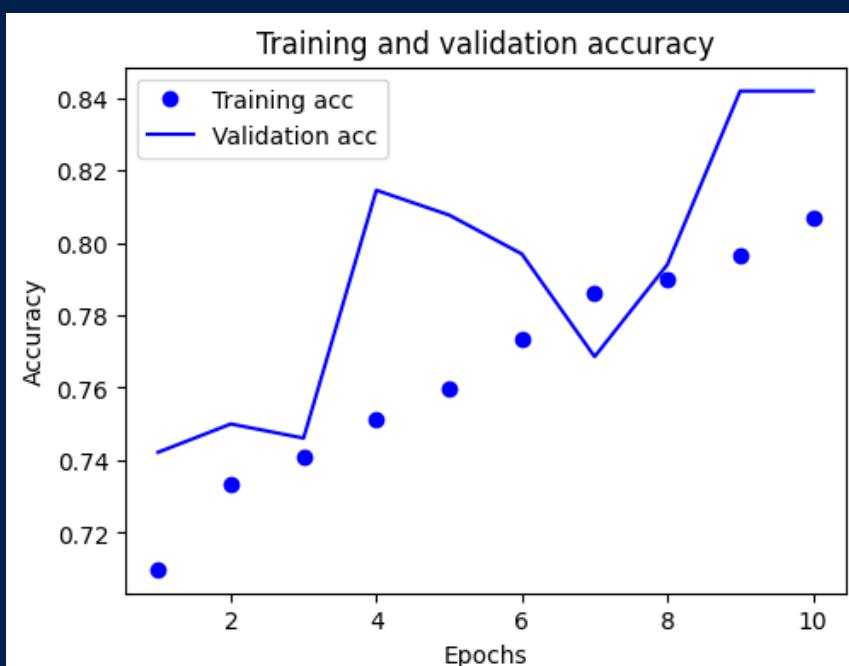
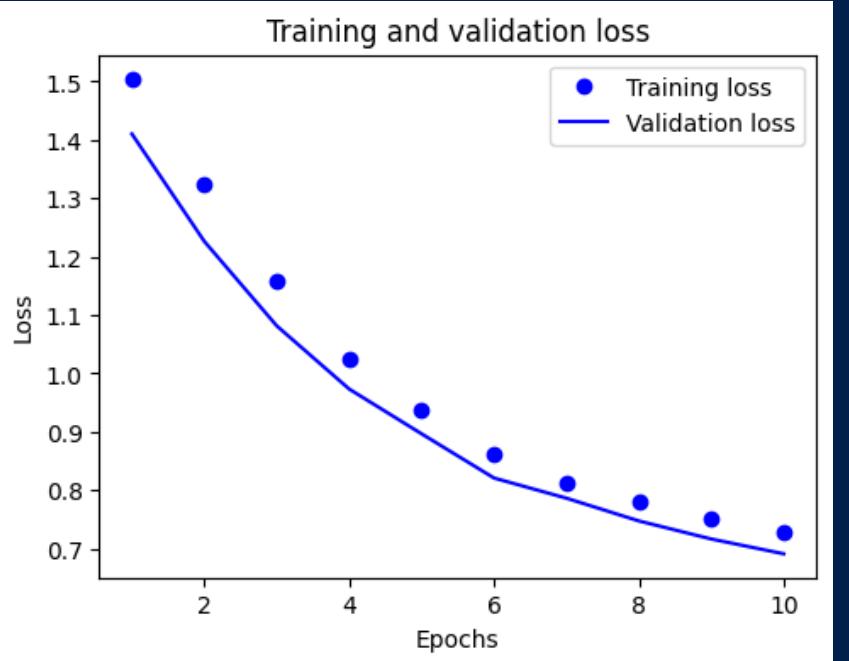
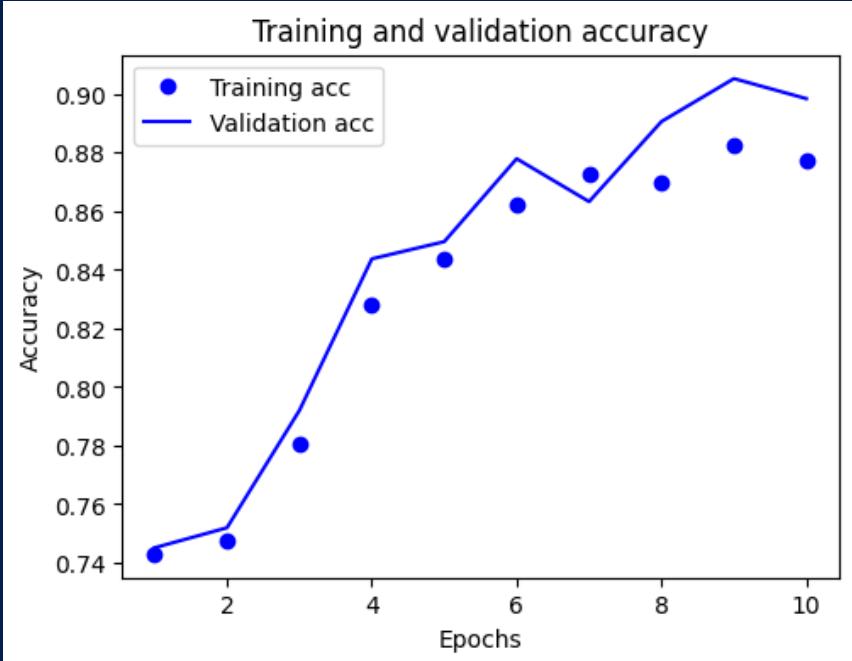
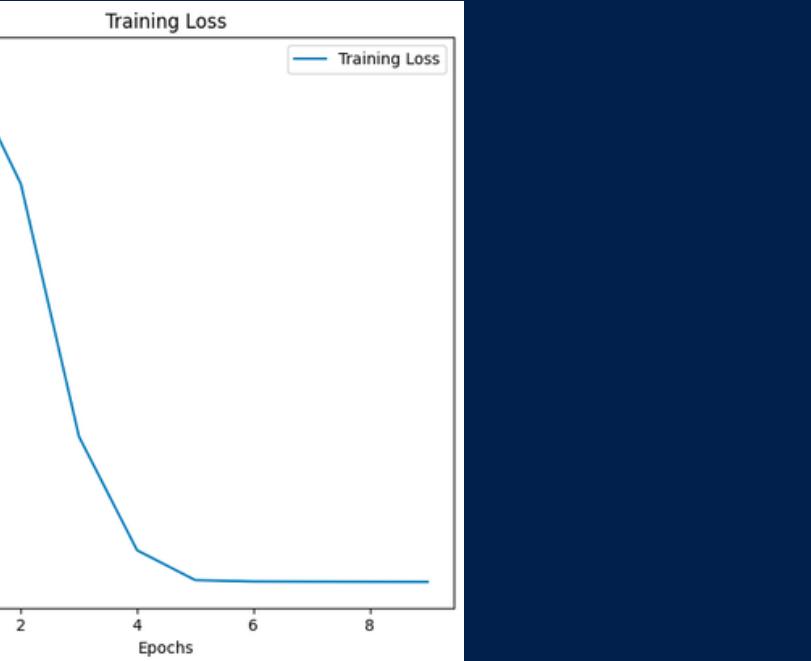
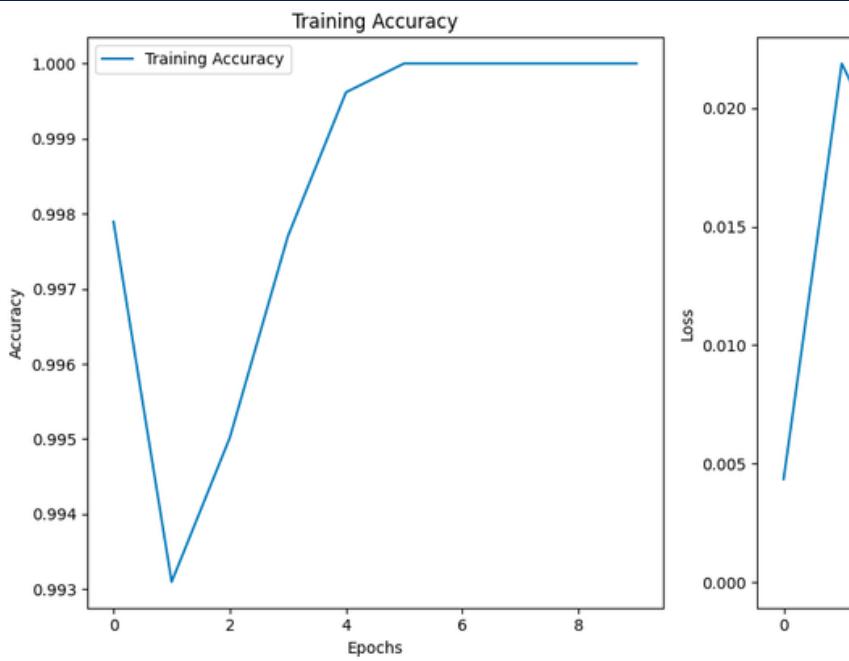
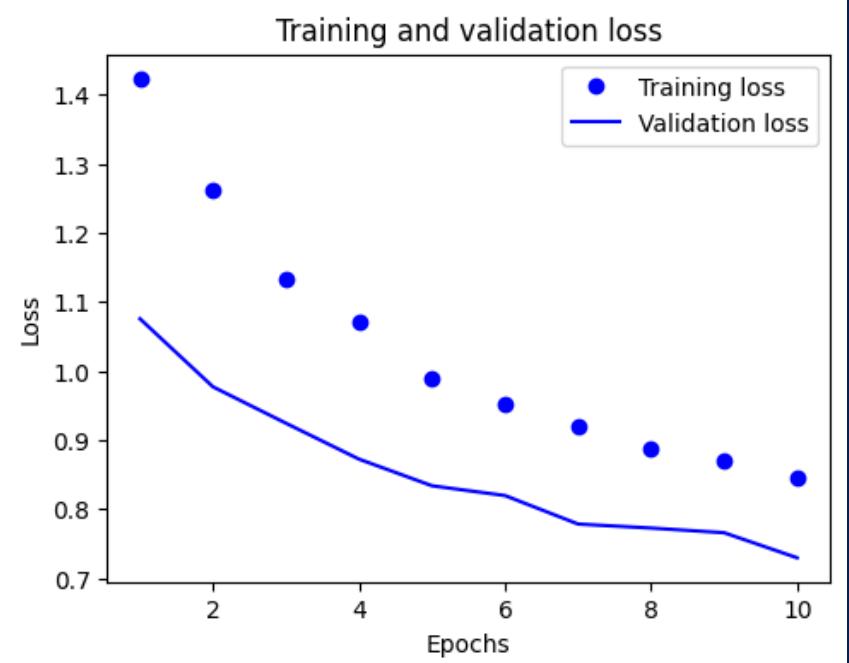
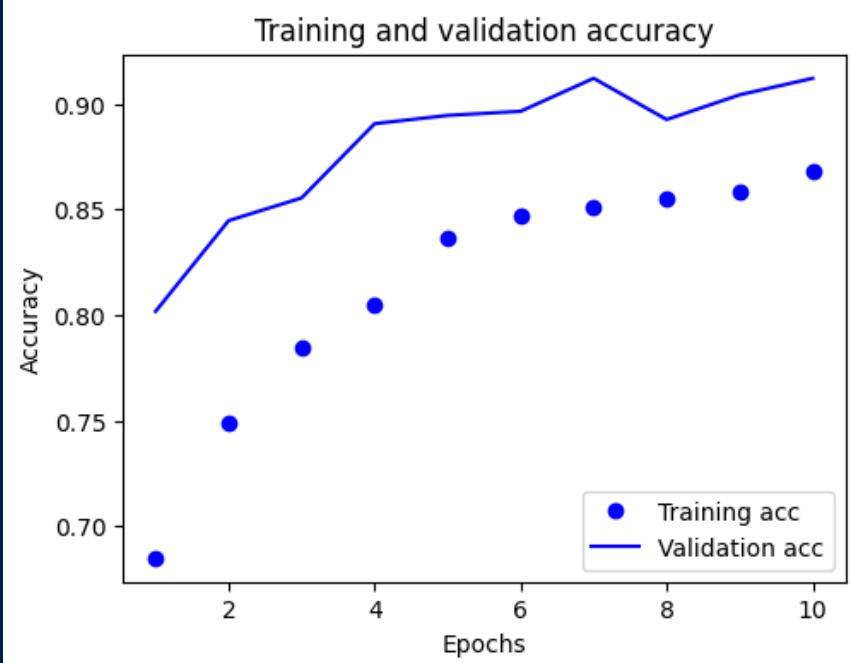
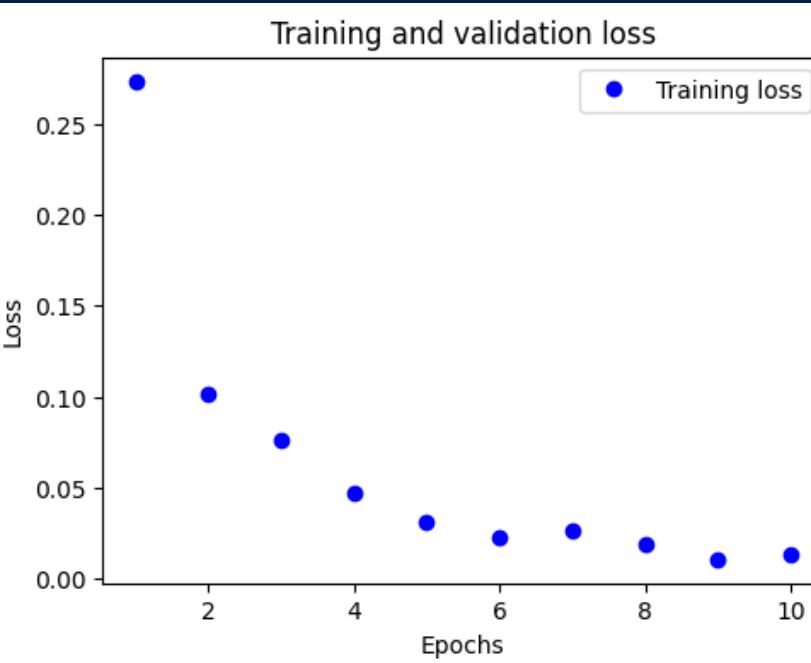
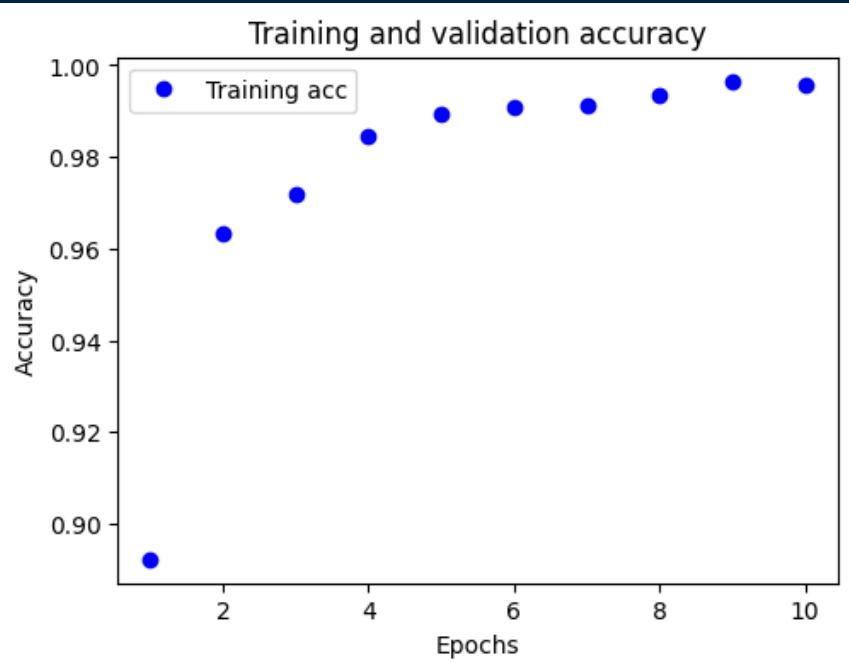
2 types de réseaux de neurones artificiels



GNN

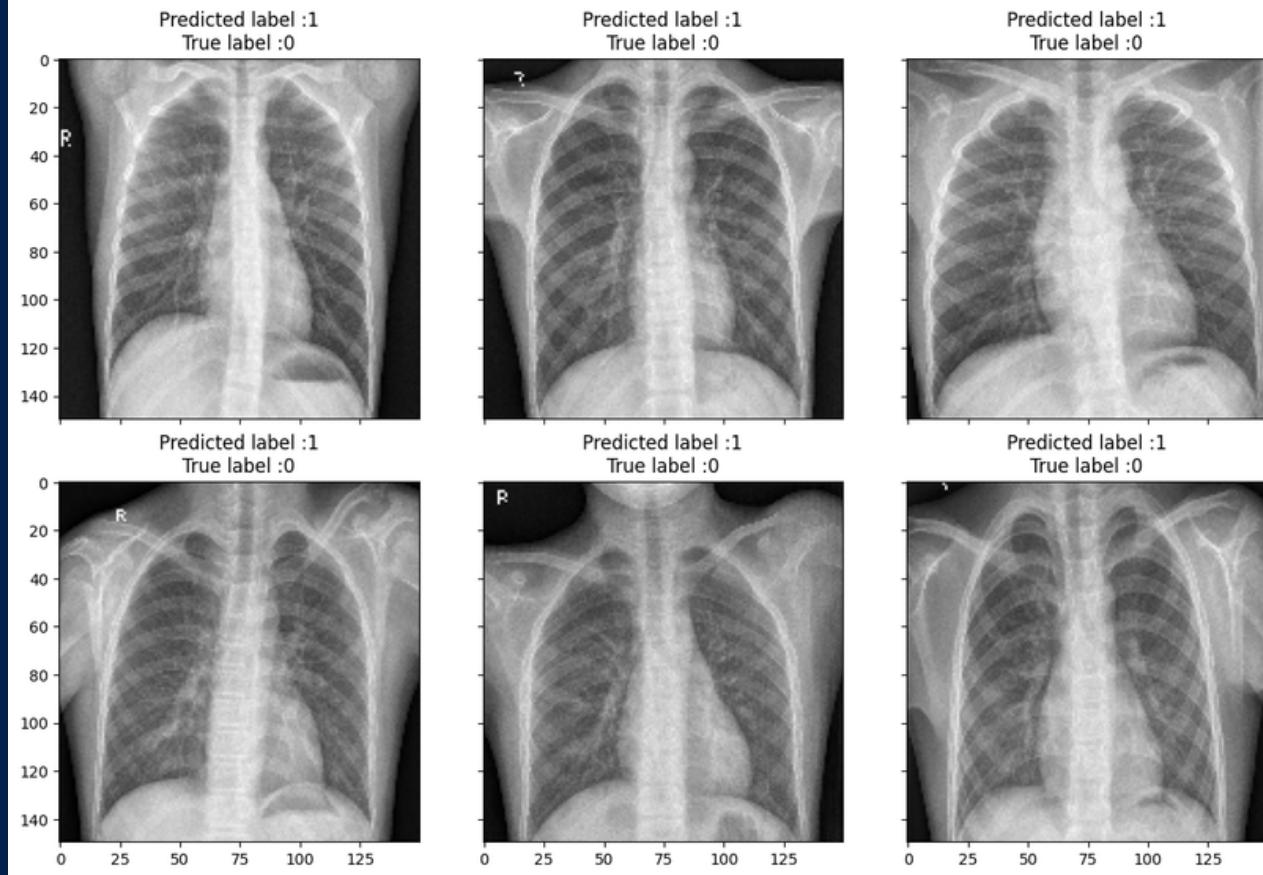
1 réseau de neurones graphiques

Présentation des résultats

1
CNN**4**
ANN**2**
CNN**5**
ANN**3**
CNN**6**
GNN

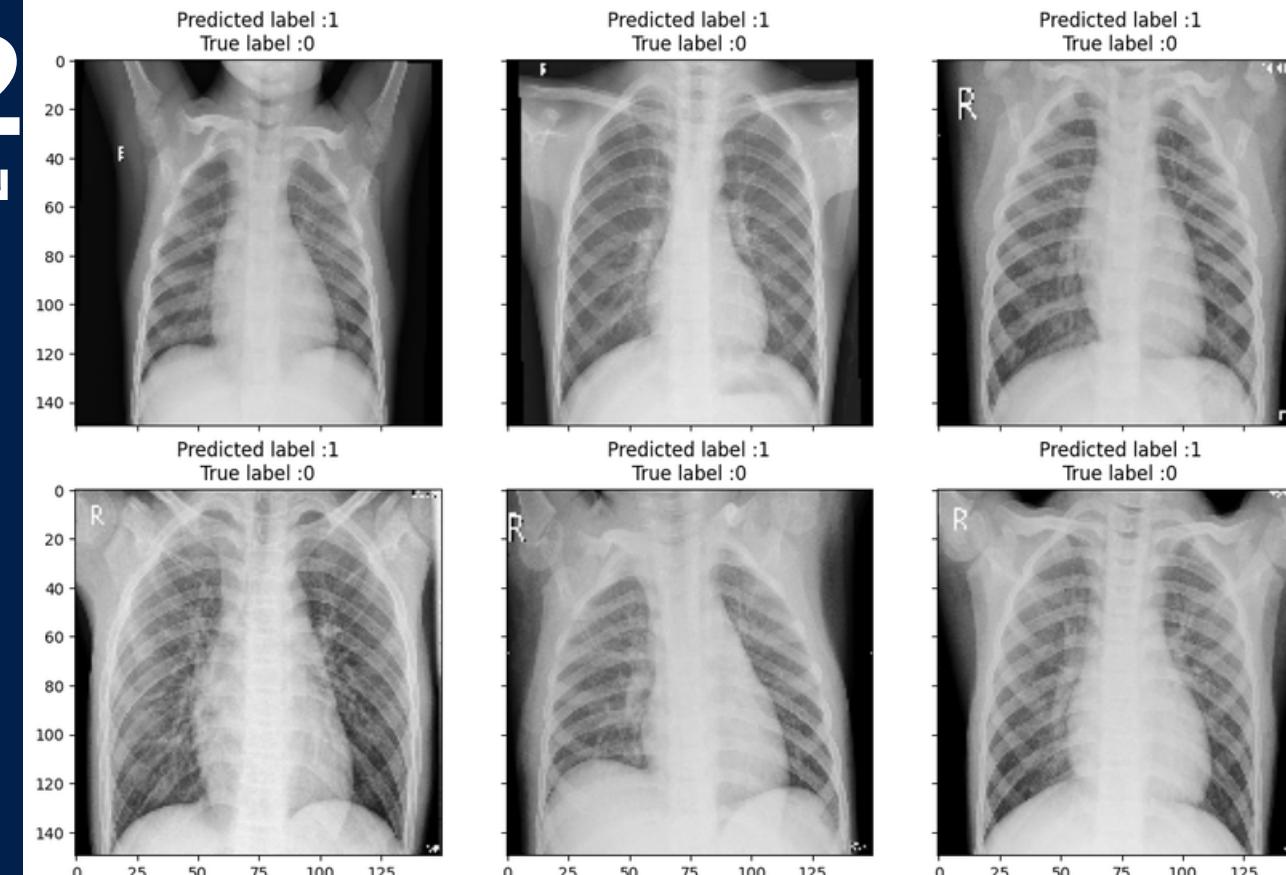
1

CNN



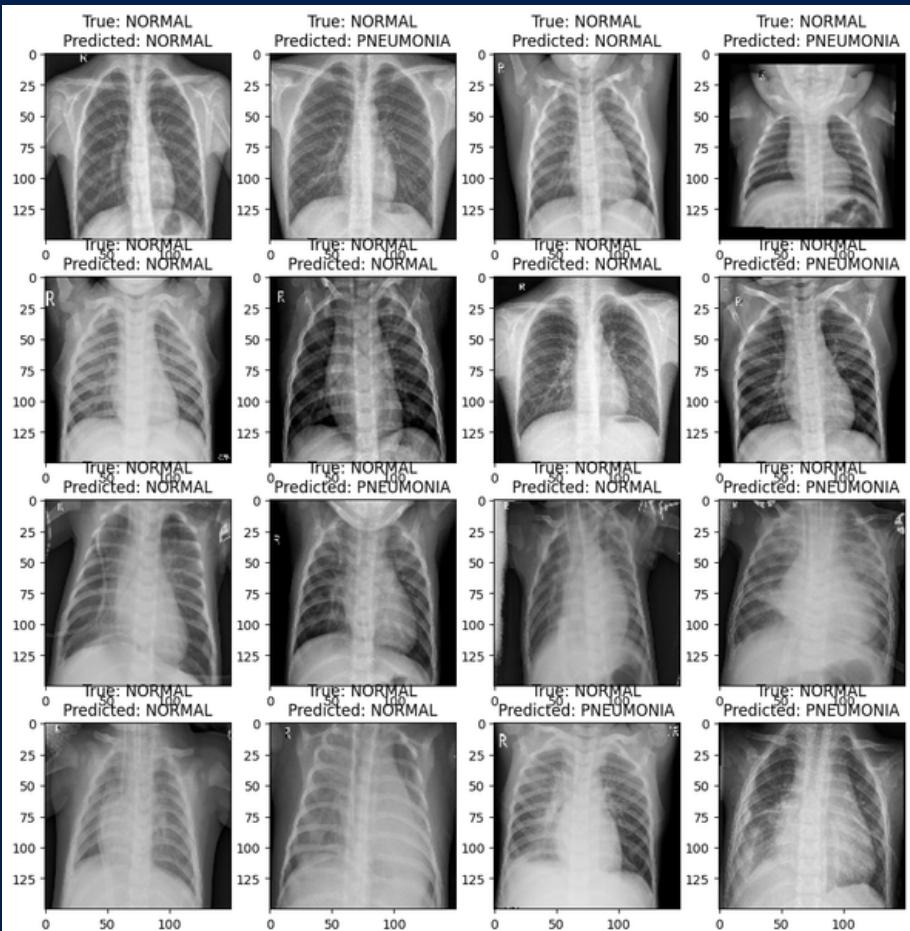
2

CNN



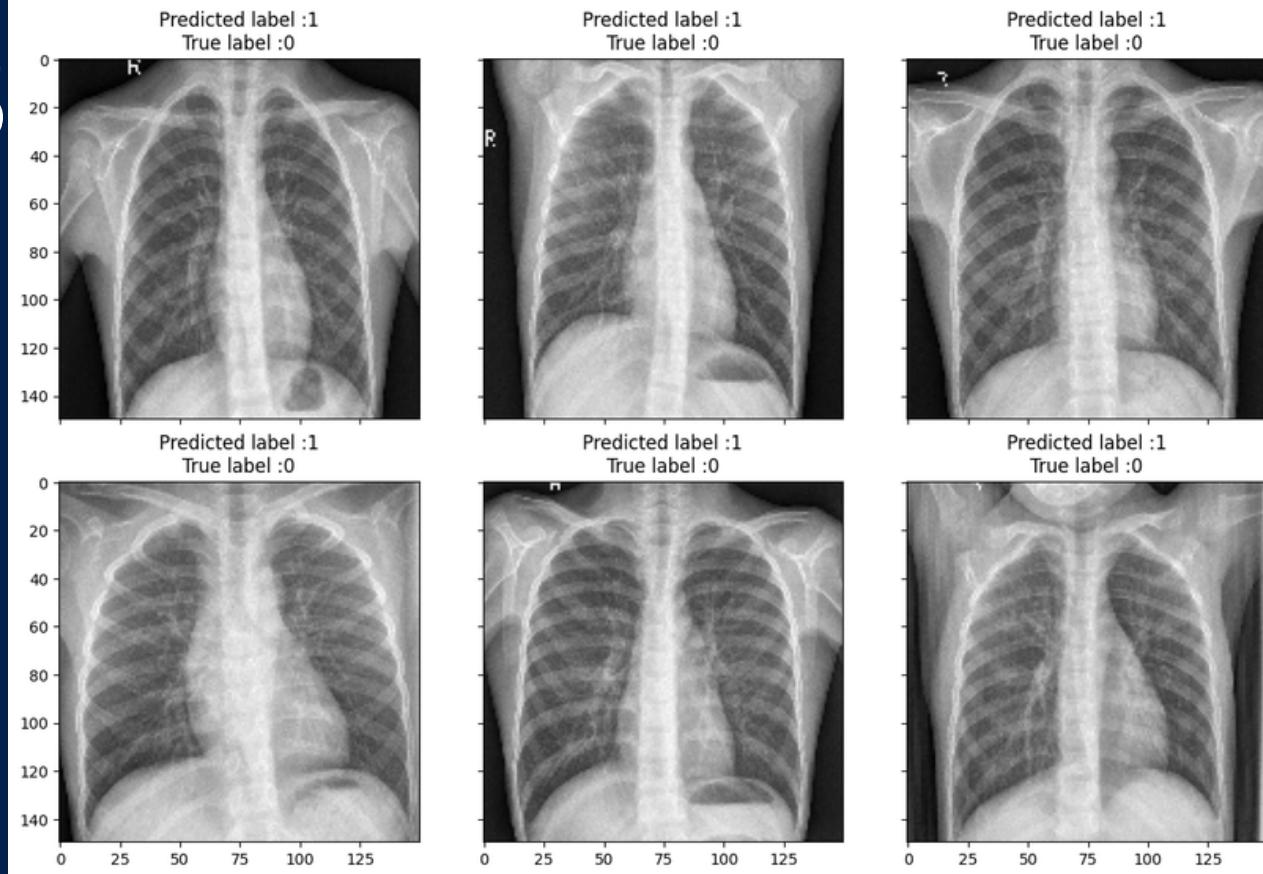
5

ANN



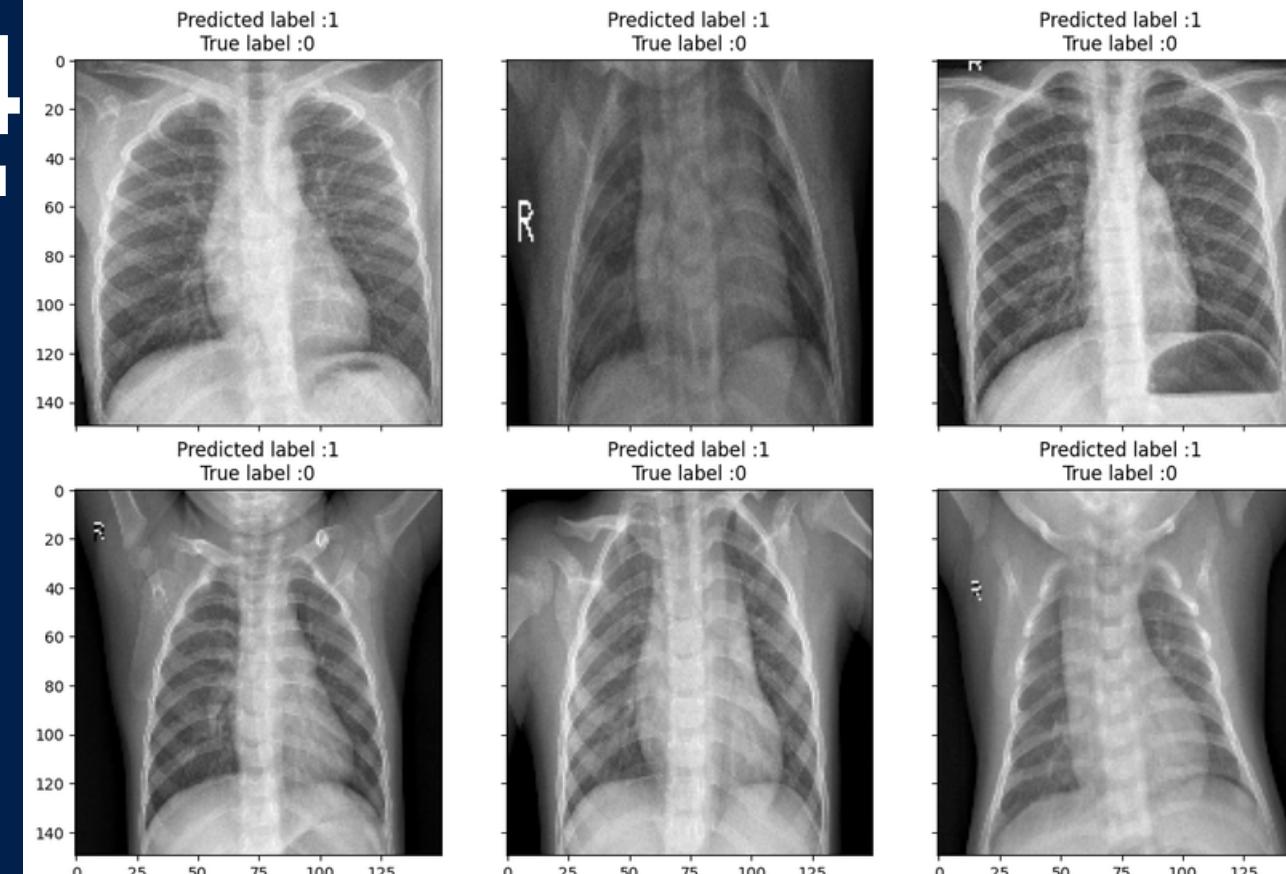
3

CNN

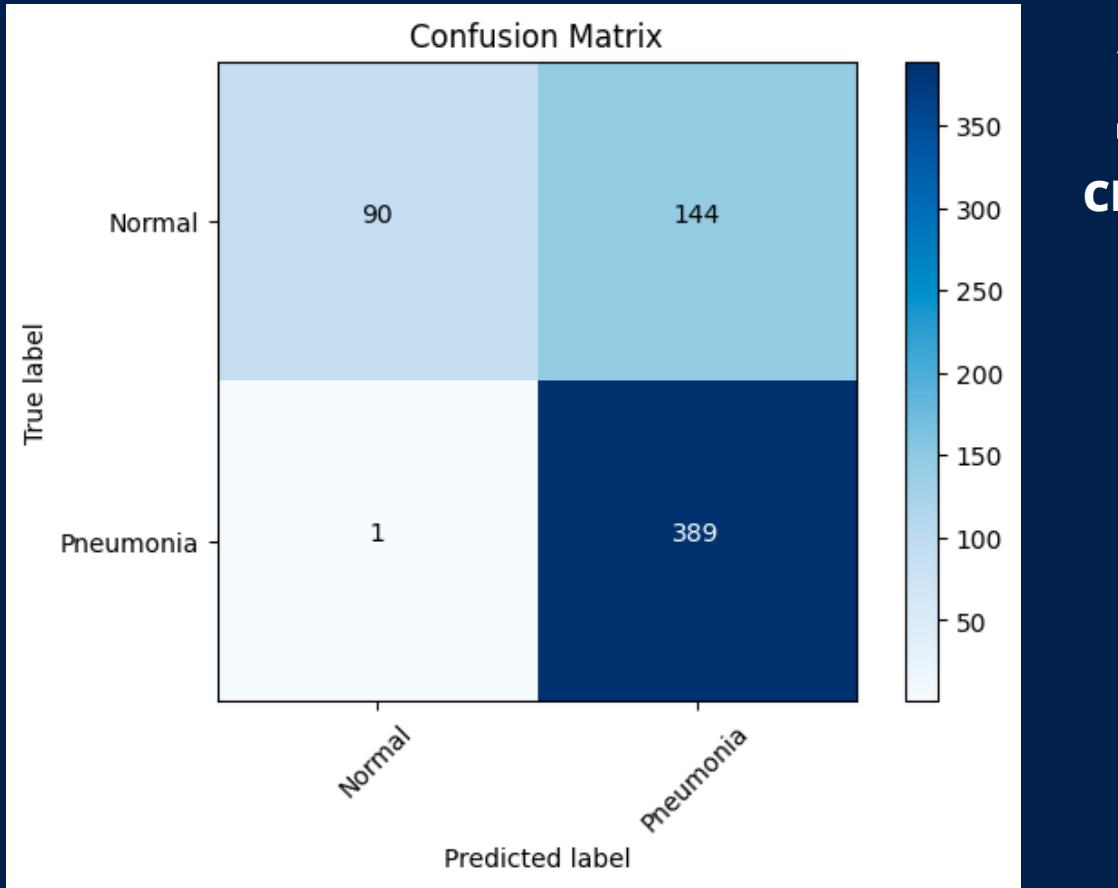


4

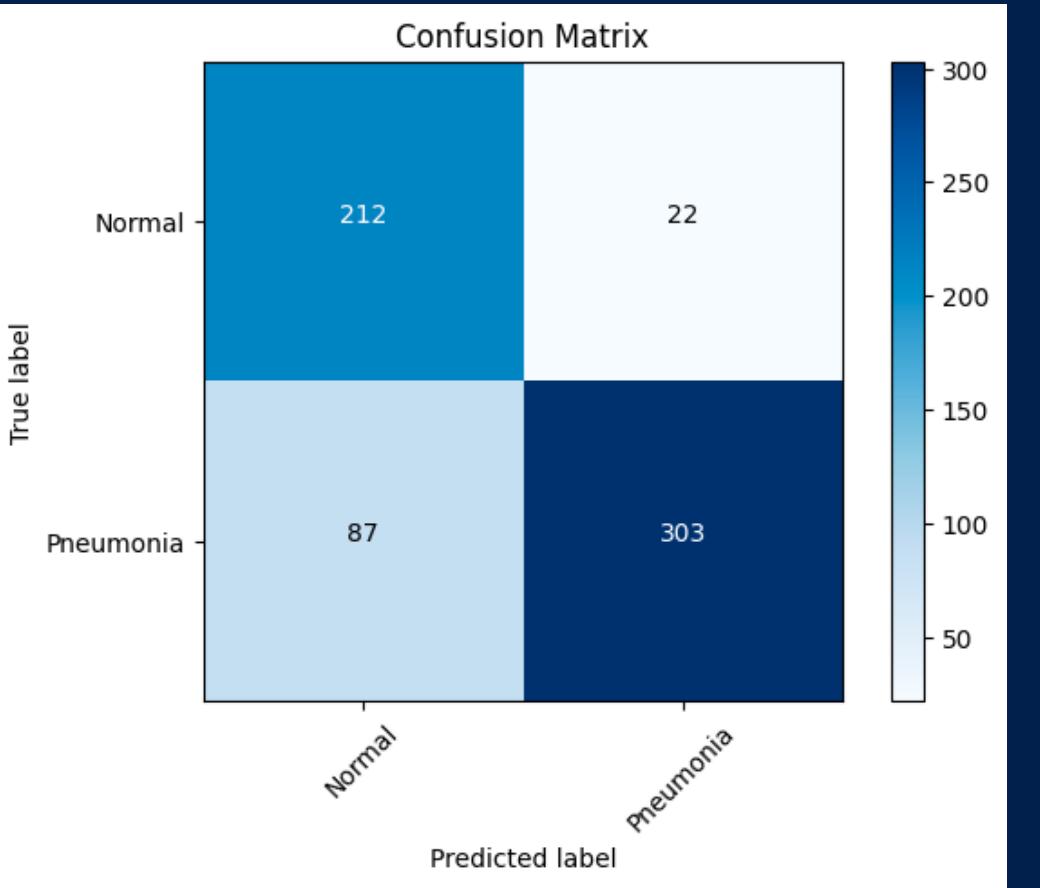
ANN



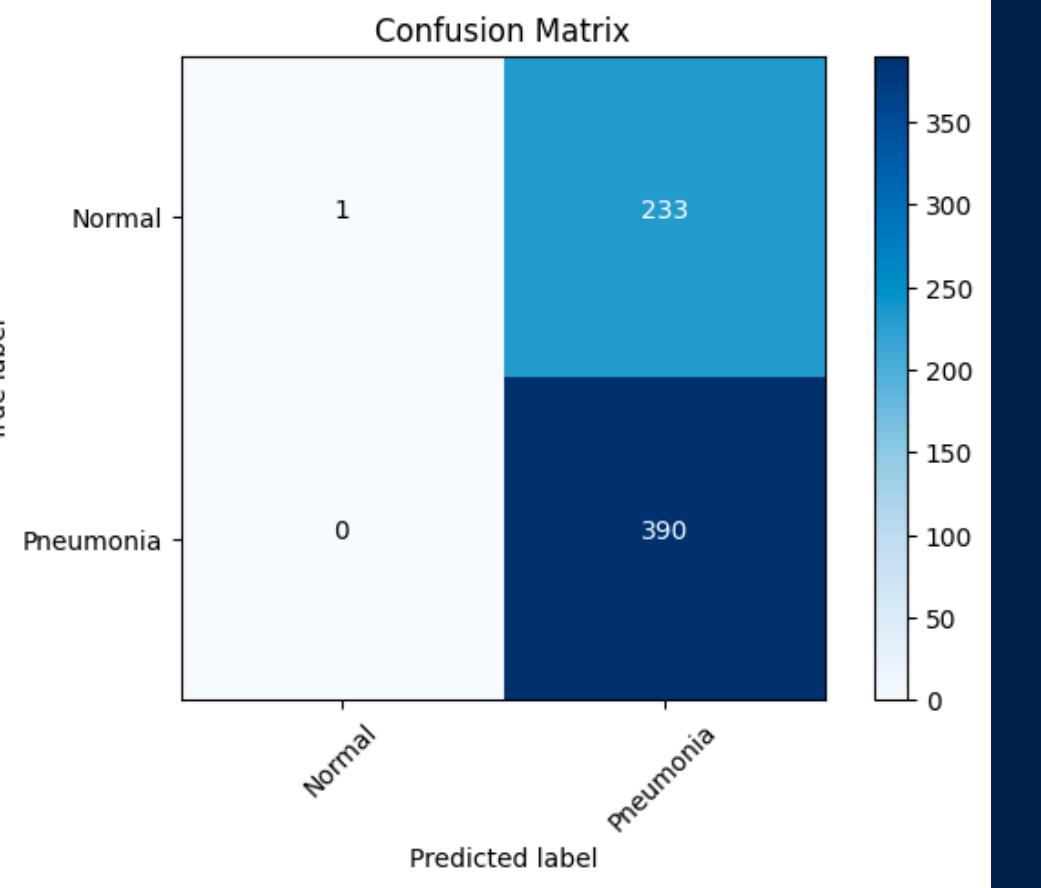
1

CNN

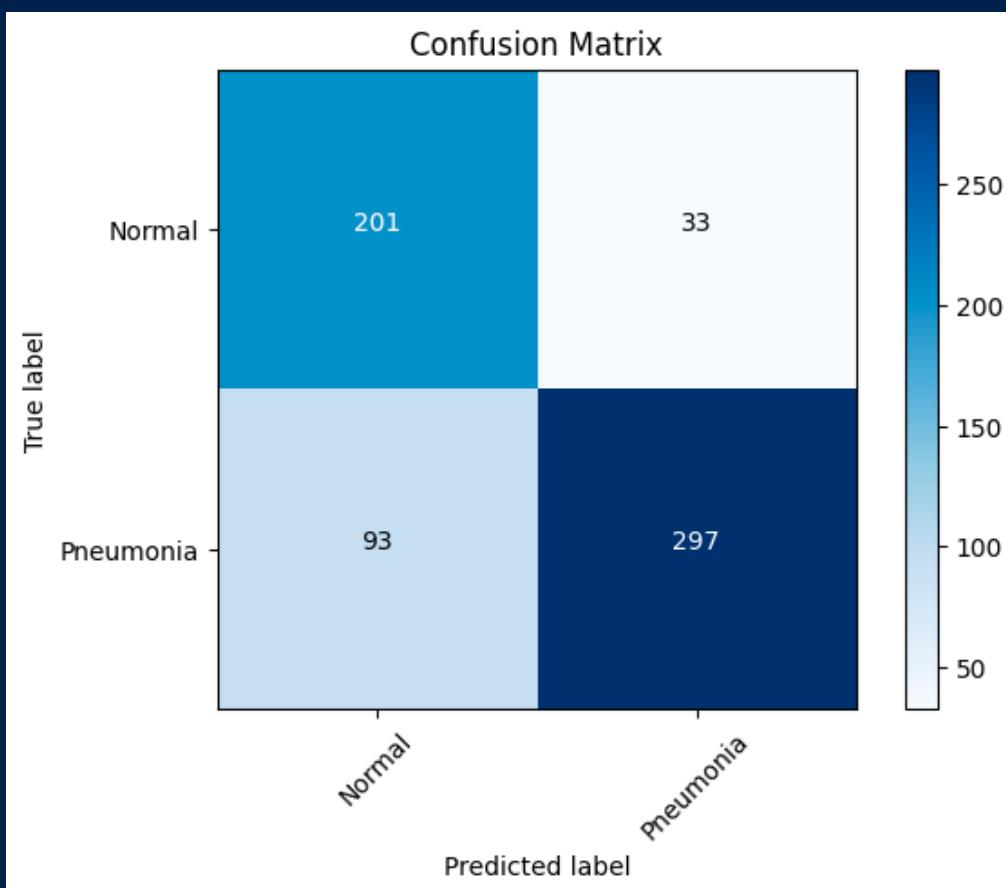
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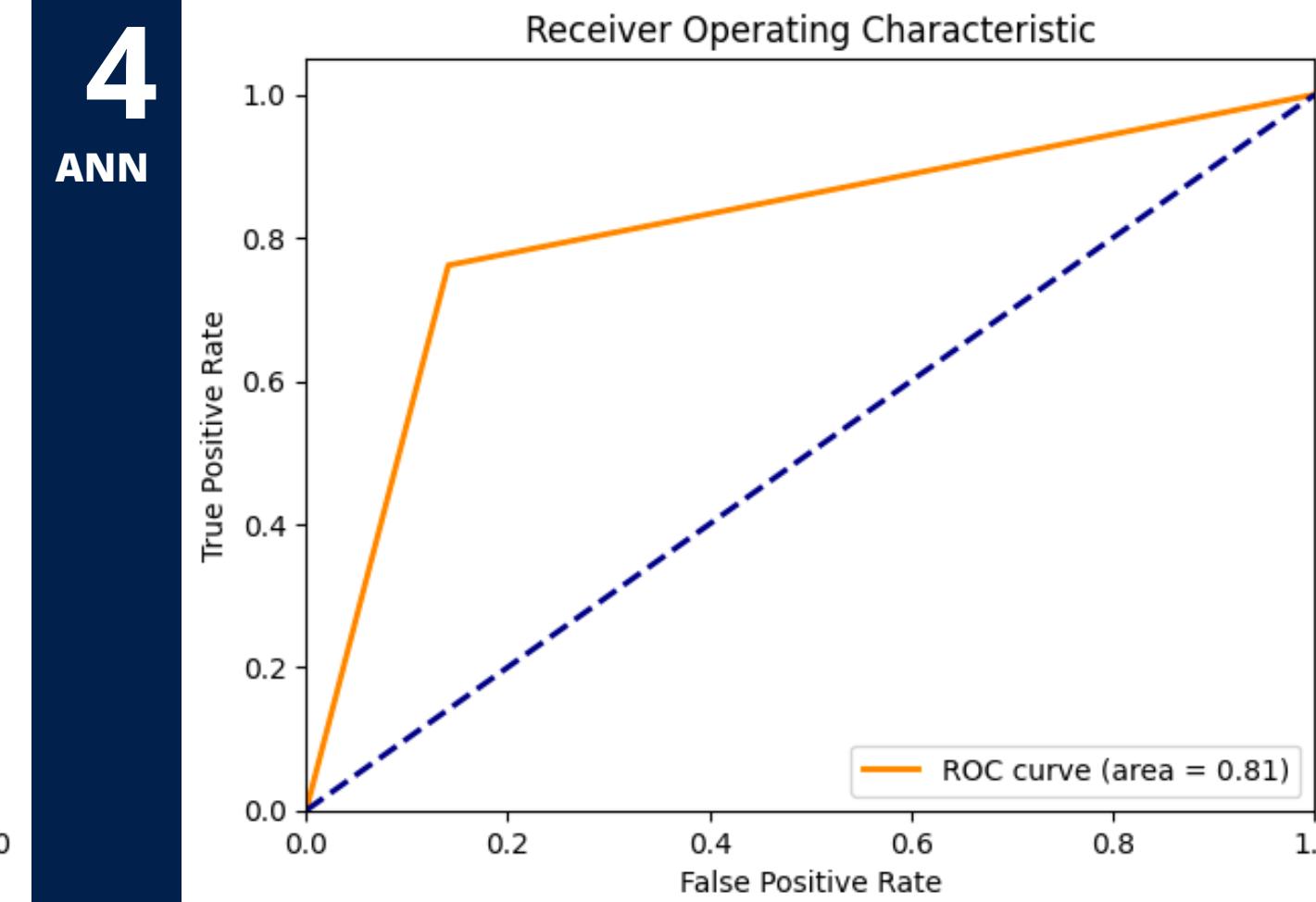
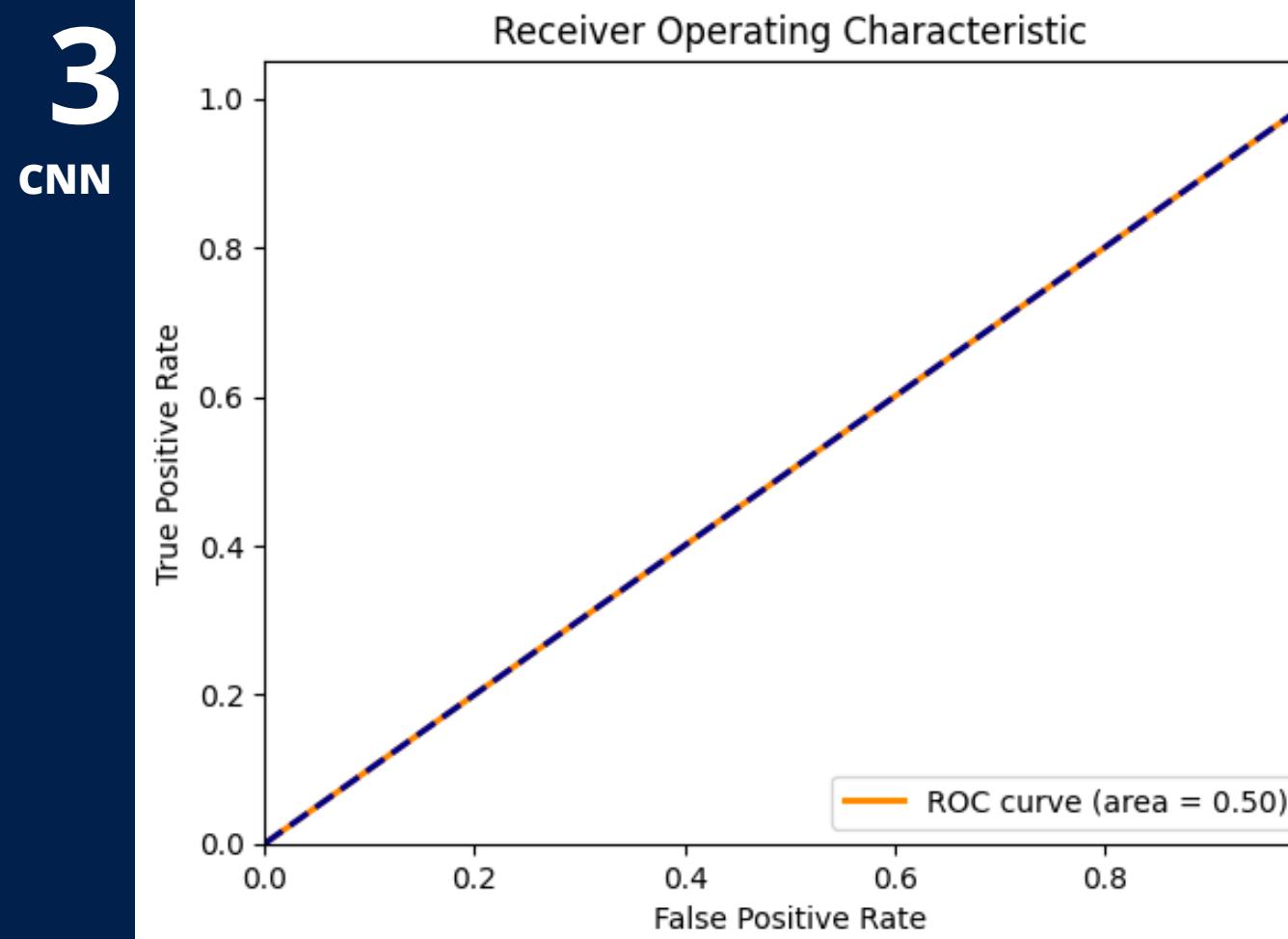
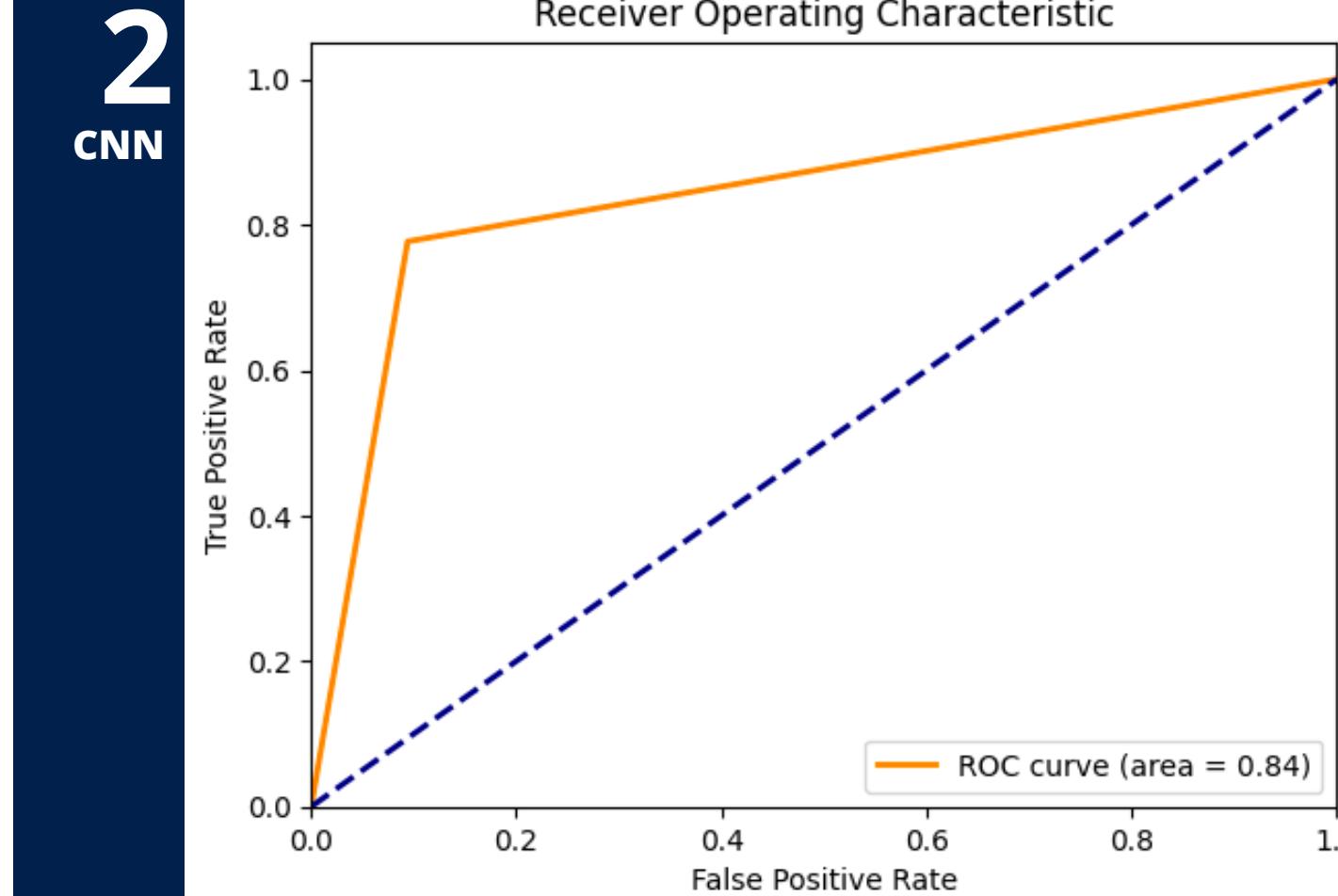
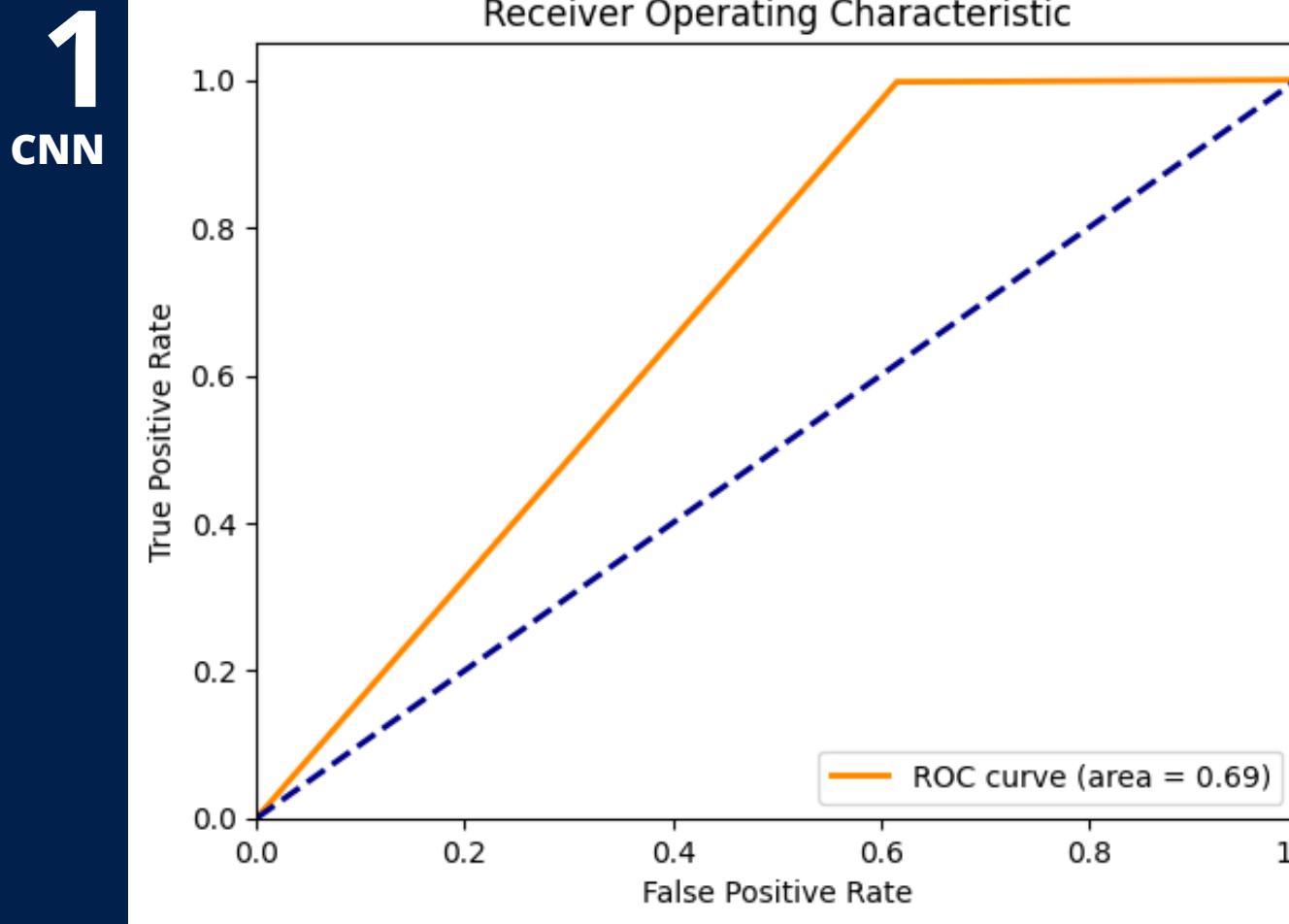
CNN

3

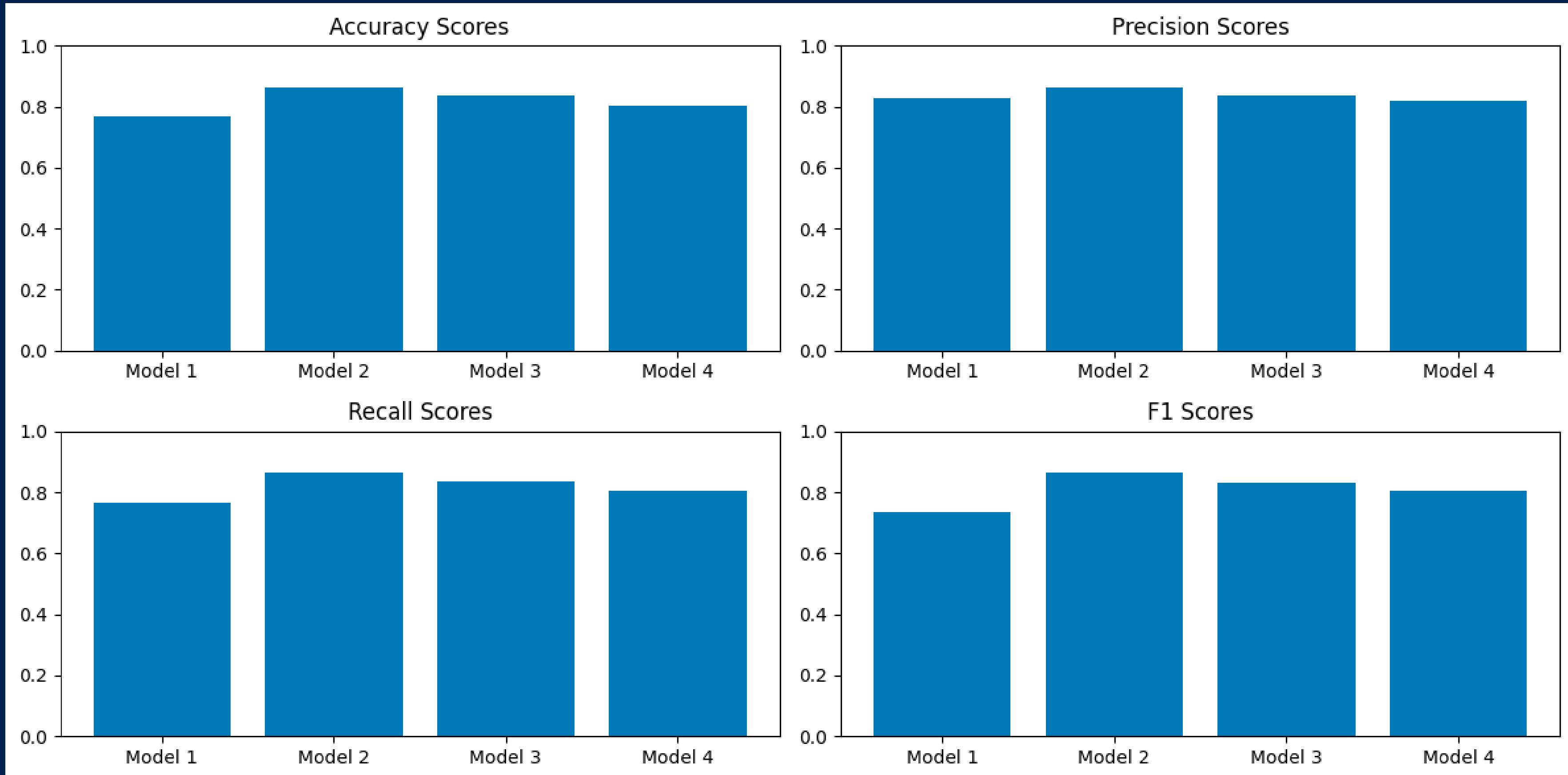
CNN

4

ANN



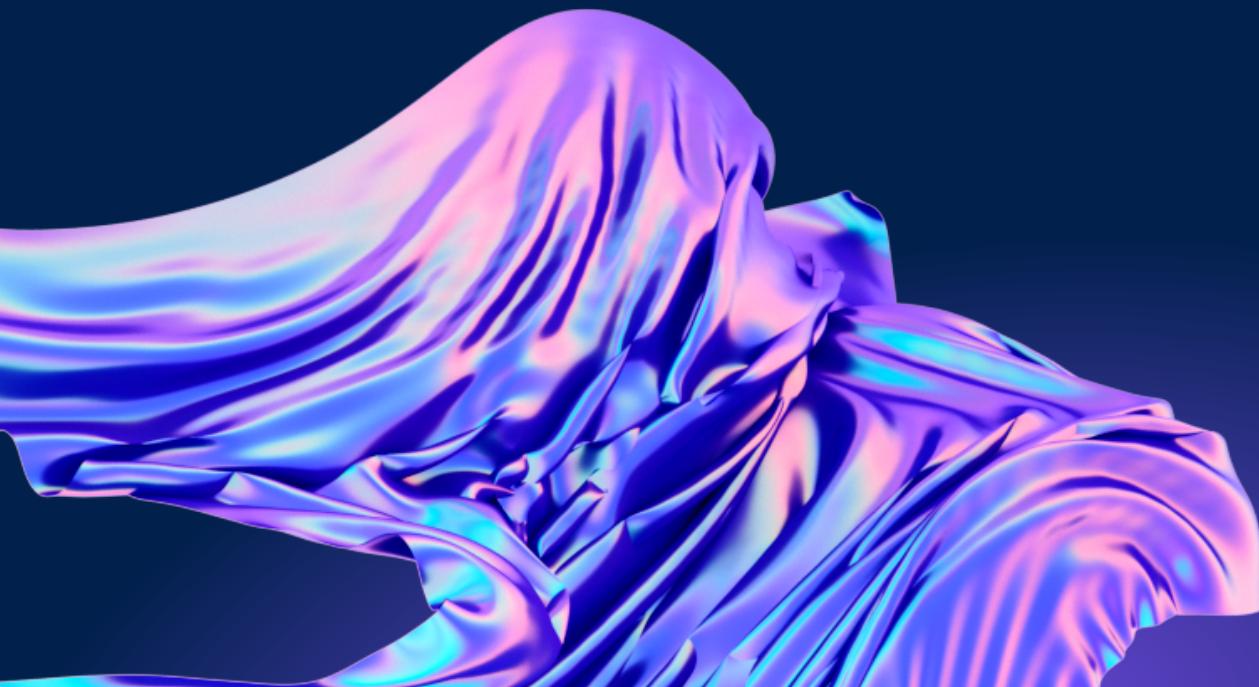
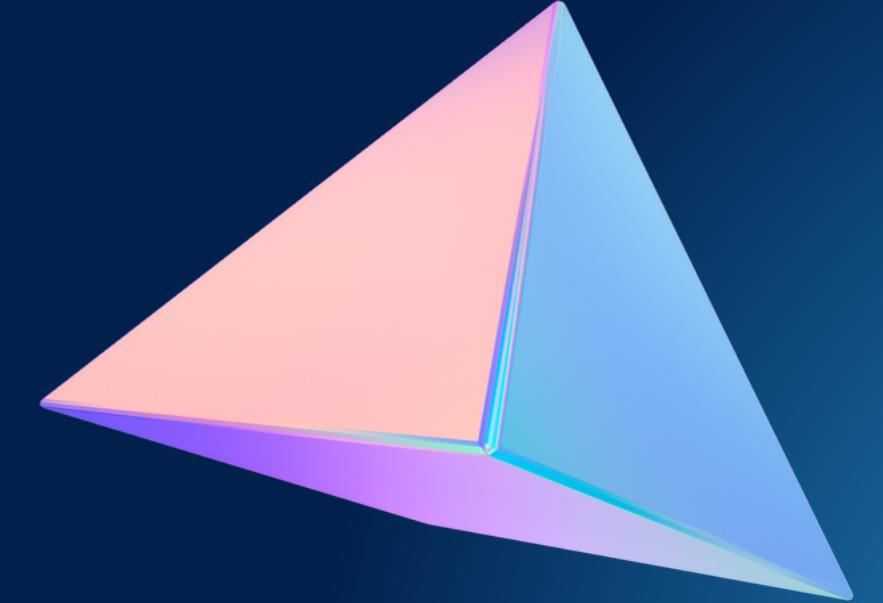
Prédictions et résultats



Conclusion



Potentiels améliorations





Thank You

Samuel Cadau

Guillaume Bleyer

Elisa Morillon

Franck Minassian

Iliam AMARA