

Data
(pre-process)
quality check

**Build GCN
and GAT**
for two binary
classification

(1) normal vs.
COVID-19
(2) mild vs.
severe

**Perform
5-Fold Cross
Validation**

**Train Test
Set 3:1 Split**

**Performance
Evaluation**

- Accuracy
- F1 score
- AUC-ROC

XAI
Interpretation
using the top
15 features