Found 3328 images belonging to 2 classes.

Found 1329 images belonging to 2 classes.

/usr/local/lib/python3.10/dist-packages/keras/src/trainers/data\_adapters/py\_dataset\_adapter.py:121: UserWarning: Your `PyDataset` class should call `super().\_\_init\_\_(\*\*kwargs)` in its constructor. `\*\*kwargs` can include `workers`, `use\_multiprocessing`, `max\_queue\_size`. Do not pass these arguments to `fit()`, as they will be ignored.

self.\_warn\_if\_super\_not\_called()

**105/105** ━━━━━━━━━━━━━━━━━━━━ **299s** 3s/step

/usr/lib/python3.10/contextlib.py:153: UserWarning: Your input ran out of data; interrupting training. Make sure that your dataset or generator can generate at least `steps\_per\_epoch \* epochs` batches. You may need to use the `.repeat()` function when building your dataset.

self.gen.throw(typ, value, traceback)

**42/42** ━━━━━━━━━━━━━━━━━━━━ **127s** 3s/step

Accuracy: 86.91%

A blue squares with white text

Description automatically generated

Precision: 88.79%

Recall: 86.91%

F1 Score: 87.40%

precision recall f1-score support

Pneumonia-Bacteria 0.95 0.87 0.91 1001

Pneumonia-Viral 0.68 0.88 0.77 328

accuracy 0.87 1329

macro avg 0.82 0.87 0.84 1329

weighted avg 0.89 0.87 0.87 1329

A graph of a positive curve

Description automatically generated