SNAPSHOTS

7

Model Configuration:

- Embedding input dim : 10000
- Embedding output dim : 64
- Sequence length : 200
- LSTM units : 64
- Bidirectional LSTM? : True
- Activation (output) : sigmoid

Loss function : binary_crossentropy

- Optimizer : Adam

- Metrics : ['loss', 'compile_metrics']

Model Architecture Summary:

Model: "sequential"

Layer (type)	Output Shape	Param #
embedding (Embedding)	(None, 200, 64)	640,000
bidirectional (Bidirectional)	(None, 128)	66,048
dense (Dense)	(None, 1)	129

Total params: 2,118,533 (8.08 MB)
Trainable params: 706,177 (2.69 MB)
Non-trainable params: 0 (0.00 B)
Optimizer params: 1,412,356 (5.39 MB)

```
predict_sentiment("I loved every minute of this film. The acting was brilliant and the story was touching.")
    predict_sentiment("What a waste of time. I can't believe I sat through the entire thing.")
    predict sentiment("An absolute masterpiece. Visually stunning and emotionally powerful.")
predict_sentiment("Avoid this movie at all costs. It's painfully bad.")
→1/1
                          Os 72ms/step
     Review: I loved every minute of this film. The acting was brilliant and the story was touching.
     of Score: 0.9896

Sentiment: Positive
                               0s 73ms/step
     Review: What a waste of time. I can't believe I sat through the entire thing.
     Score: 0.0085
Sentiment: Negative 9 78ms/step
    • Review: POOLy

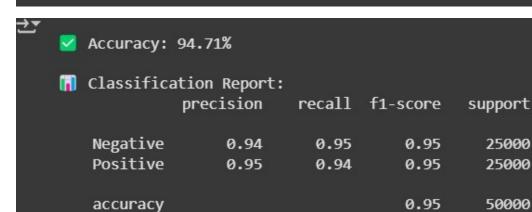
• Score: 0.0029

• Sentiment: Negative 8

• 0s 81ms/step
     Review: Poorly acted, poorly written, and just plain boring.
     Review: An absolute masterpiece. Visually stunning and emotionally powerful.
    • Review: An absolution of Score: 0.9713

Sentiment: Positive 9

9s 68ms/step
     Review: Avoid this movie at all costs. It's painfully bad.
     of Score: 0.0057
■ Sentiment: Negative ⊗
  predict_sentiment("A tight screenplay combined with strong cinematography made this a surprisingly good watch.")
       predict_sentiment("Disjointed narrative structure completely failed to create emotional resonance.")
                                − 0s 117ms/step
       Review: A tight screenplay combined with strong cinematography made this a surprisingly good watch.
       Review: Disjointed narrative structure completely failed to create emotional resonance.
       od Score: 0.0561
■ Sentiment: Negative 😞
```



0.95

0.95

0.95

0.95

0.95

0.95

50000

50000

Confusion Matrix:
[[23850 1150]
[1493 23507]]

macro avg

weighted avg