

Model Summary

1. Model Details

- **Model Architecture:** Bidirectional LSTM with Attention
- **Number of Parameters:** 50,561 (197.50 KB)
- **Model Size:** 197.50 KB
- **Computational Complexity:** Not explicitly mentioned
- **Hardware Used:** Default Google Colab Runtime(CPU)
- **Framework:** TensorFlow/Keras
- **Training Configuration:**
 - **Epochs:** 15
 - **Batch Size:** 45
 - **Optimizer:** adam
 - **Number of Classes:** 2 (Binary Classification)

2. Speed Metrics

- **Average Training Time per Epoch:** ~75s
- **Fastest Epoch Training Time:** 55s (Epoch 10)
- **Slowest Epoch Training Time:** 88s (Epoch 6)
- **Approximate Time per Step:** ~250ms

3. Accuracy Metrics (Validation Performance)

- **Final Accuracy:**
 - **Training Accuracy:** 88.22%
 - **Validation Accuracy:** 88.80%
- **Final Loss:**
 - **Training Loss:** 0.2620
 - **Validation Loss:** 0.2650
- **Precision & Recall (Final Epoch - Validation Set):**
 - **Precision:** 93.88
 - **Recall:** 90.33%

