```
/usr/local/lib/python3.12/dist-packages/keras/src/layers/core/embedding.py:97: UserWarning: Argument `input_length` is deprecated. Just remove it.
  warnings.warn(
```
Model: "sequential"

Layer (type)	Output Shape	Param #
embedding (Embedding)	?	0 (unbuilt)
bidirectional (Bidirectional)	?	0 (unbuilt)
dense (Dense)	?	0 (unbuilt)
dense_1 (Dense)	?	0 (unbuilt)

Total params: 0 (0.00 B)
Trainable params: 0 (0.00 B)
Non-trainable params: 0 (0.00 B)

```
Epoch 1/5
313/313 ━━━━━━━━━━━━━━━━━━━━ 96s 291ms/step - accuracy: 0.6616 - loss: 0.5874 - val_accuracy: 0.8572 - val_loss: 0.3478
Epoch 2/5
313/313 ━━━━━━━━━━━━━━━━━━━━ 92s 294ms/step - accuracy: 0.8821 - loss: 0.2952 - val_accuracy: 0.8528 - val_loss: 0.3521
Epoch 3/5
313/313 ━━━━━━━━━━━━━━━━━━━━ 146s 307ms/step - accuracy: 0.9178 - loss: 0.2217 - val_accuracy: 0.8454 - val_loss: 0.3826
Epoch 4/5
313/313 ━━━━━━━━━━━━━━━━━━━━ 91s 289ms/step - accuracy: 0.9223 - loss: 0.2123 - val_accuracy: 0.8288 - val_loss: 0.4189
Epoch 5/5
313/313 ━━━━━━━━━━━━━━━━━━━━ 96s 305ms/step - accuracy: 0.9190 - loss: 0.2093 - val_accuracy: 0.8286 - val_loss: 0.4442
```
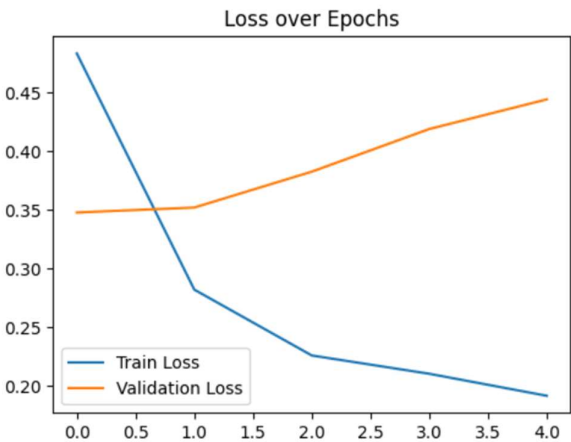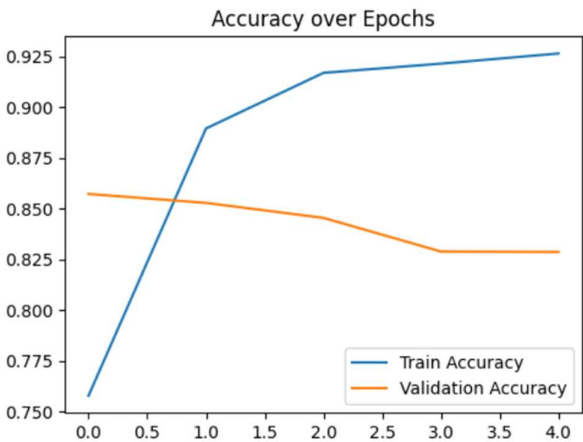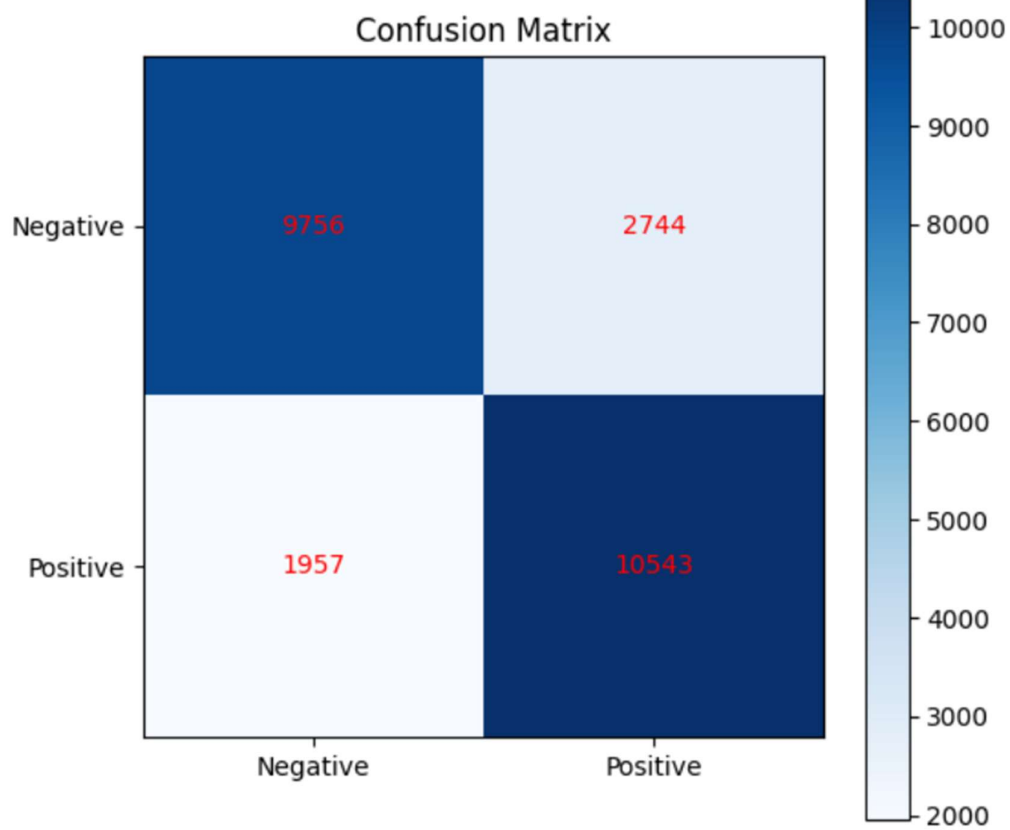
```
782/782 ————————————— 41s 52ms/step - accuracy: 0.8138 - loss: 0.4833
Test Accuracy: 0.812
782/782 ————————————— 40s 51ms/step
              precision    recall  f1-score   support

    Negative       0.83      0.78      0.81     12500
    Positive       0.79      0.84      0.82     12500

    accuracy                           0.81     25000
   macro avg       0.81      0.81      0.81     25000
weighted avg       0.81      0.81      0.81     25000
```

Confusion Matrix

	Negative	Positive
Negative	9756	2744
Positive	1957	10543

Downloading data from https://storage.googleapis.com/tensorflow/tf-keras-datasets/imdb_word_index.json

```
1641221/1641221 ————————————————————— 0s 0us/step

1/1 ——————————————————— 0s 101ms/step
```

Review: <START> please give this one a miss br br <UNK> <UNK> and the rest of the cast rendered terrible performances the show is flat flat flat br br i don't know how michael madison could have allowed this one on his plate he almost seemed to know this wasn't going to work out and his performance was quite <UNK> so all you madison fans give this a miss <PAD>

Predicted Sentiment: Negative

Review: <START> this film requires a lot of patience because it focuses on mood and character development the plot is very simple and many of the scenes take place on the same set in frances <UNK> the sandy dennis character apartment but the film builds to a disturbing climax br br the characters create an atmosphere <UNK> with sexual tension and psychological <UNK> it's very interesting that robert altman directed this considering the style and structure of his other films still the trademark altman audio style is evident here and there i think what really makes this film work is the brilliant performance by sandy dennis it's definitely one of her darker characters but she plays it so perfectly and convincingly that it's scary michael burns does a good job as the mute young man regular altman player michael murphy has a small part the <UNK> moody set fits the content of the story very well in short this movie is a powerful study of loneliness sexual <UNK> and desperation be patient <UNK> up the atmosphere and pay attention to the wonderfully written script br br i praise robert altman this is one of his many films that deals with unconventional

Predicted Sentiment: Positive