```
[(base) nanliwang@Nanlis-MacBook-Pro disaster_response_pipeline_project % python models/train_classifier.py data/DisasterRespo
nse.db models/classifier.pkl
[nltk_data] Downloading package punkt to /Users/nanliwang/nltk_data...
[nltk_data] Package punkt is already up-to-date!
[nltk_data] Downloading package wordnet to
[nltk_data]
              /Users/nanliwang/nltk_data...
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package stopwords to
               /Users/nanliwang/nltk_data...
[nltk_data]
[nltk_data]
            Package stopwords is already up-to-date!
Loading data...
    DATABASE: data/DisasterResponse.db
Building model...
Training model...
Fitting 5 folds for each of 4 candidates, totalling 20 fits
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 1); total time= 5.6min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 1); total time= 5.6min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 1); total time= 5.5min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 1); total time= 6.0min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 1); total time= 4.9min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 2); total time=11.5min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 2); total time=11.2min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 2); total time=14.1min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 2); total time=12.2min
[CV] END clf__estimator__n_estimators=100, vect__ngram_range=(1, 2); total time=13.8min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 1); total time= 7.2min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 1); total time= 8.2min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 1); total time= 8.0min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 1); total time= 8.0min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 1); total time= 7.6min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 2); total time=16.7min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 2); total time=14.1min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 2); total time=14.5min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 2); total time=17.5min
[CV] END clf__estimator__n_estimators=150, vect__ngram_range=(1, 2); total time=17.0min
```