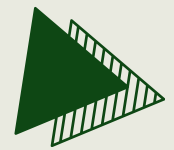


FAKE NEWS DETECTION



GROUP-8

LEELA PRASAD
PAVAN KUMAR
NAVADEEP
CHAKRADHAR

Fake News Detection

Contributions :

Leela Prasad

- Created own English and Telugu dataset
- Performed NLP Core options(NER,Lemmmatisation ,TF-IDF)on telugu dataset and builded telugu based Fake news detection
- Worked on KNN model for Telugu Version

Pavan Kumar

- Created own English and Telugu dataset
- Performed NLP Core options (POS tagging, Stop word removal,TF-IDF) on telugu dataset and builded telugu based Fake news detection
- Worked on SVM model for Telugu Version

Fake News Detection

Contributions :

Navadeep

- Created own English dataset
- Performed NLP Core options(Tokenization, Stop word removal, POS tagging, Bi gram indexing) on English dataset and Fake news detection
- Worked on Logistic-Regression model for English Version

Chakradhar

- Created own English dataset
- Performed NLP Core options (NER,TF-IDF) on English dataset based Fake news detection
- Worked on KNN model for English
- Worked in building of user interface for the English version

MODEL BUILDING

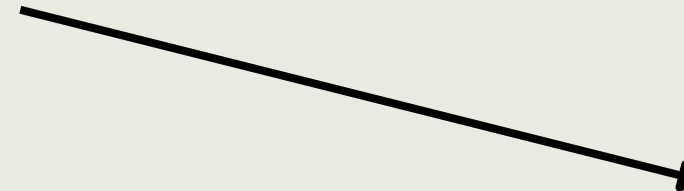
Data Collection



Data cleaning



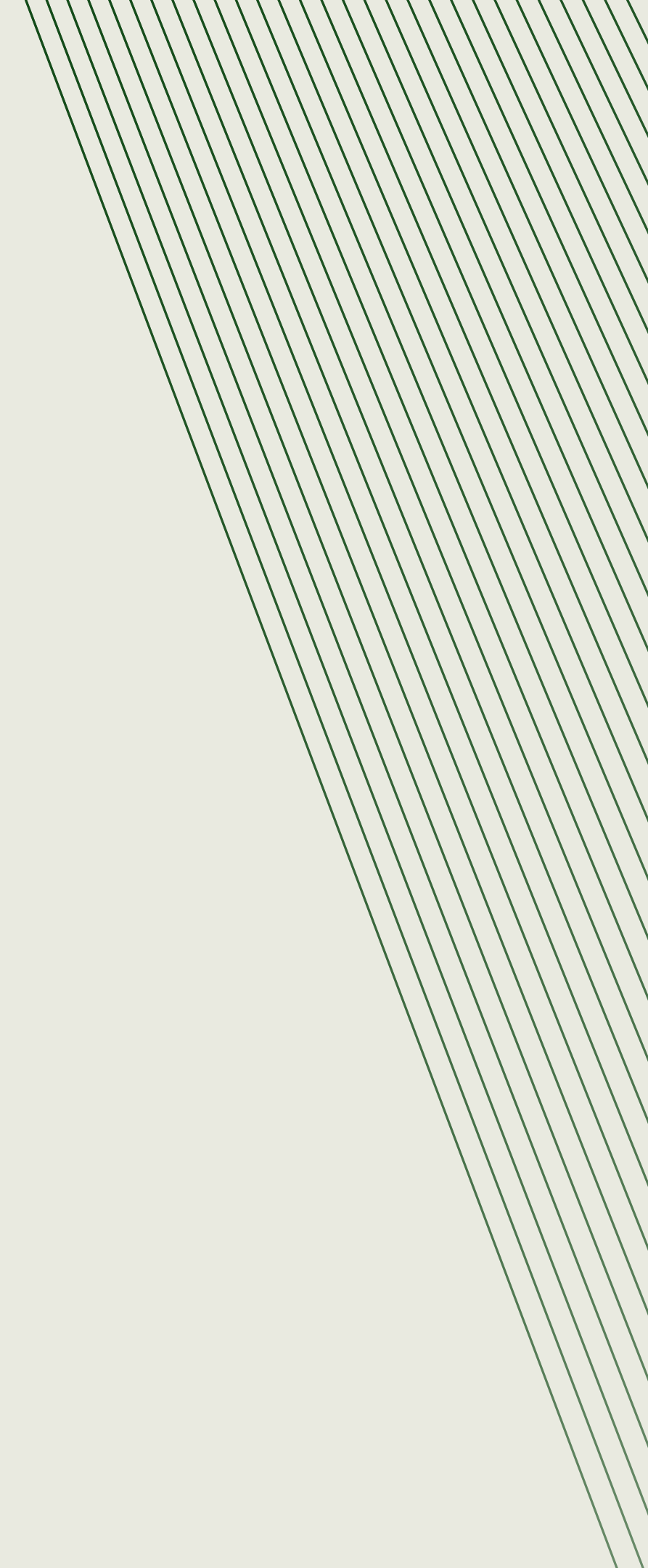
Applying core
nlp
techniques



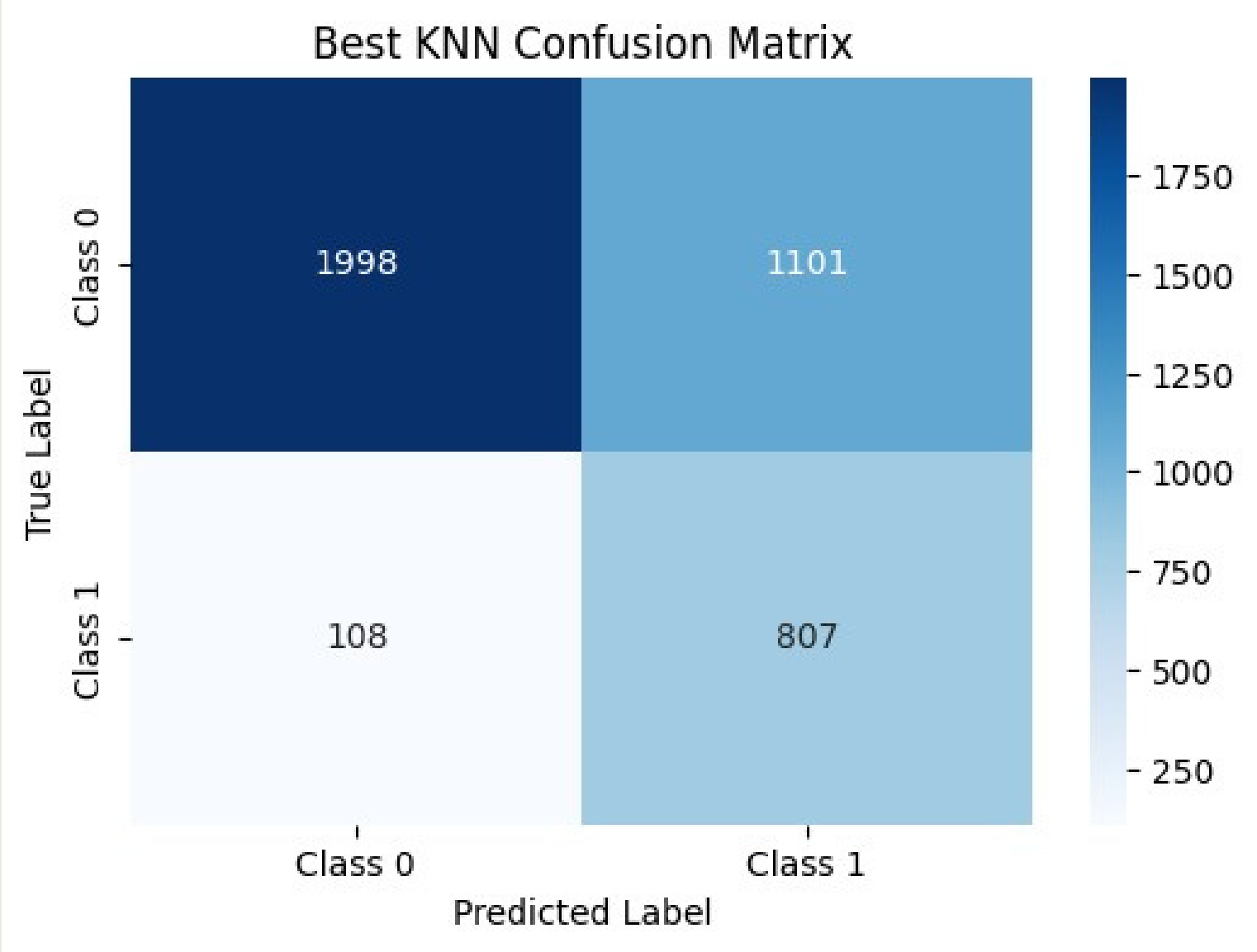
Testing the model
accuracy



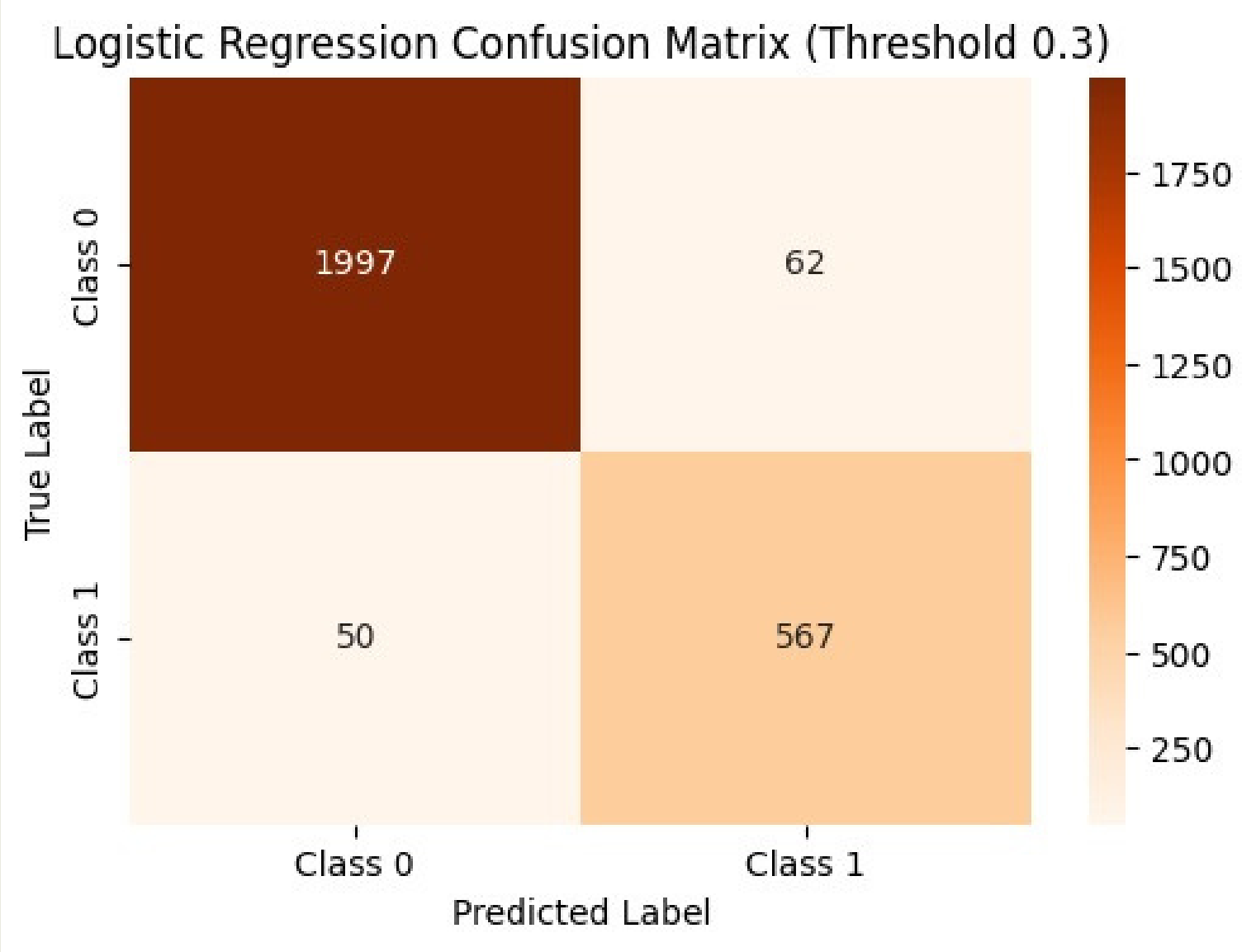
Building ML
model



RESULTS OF English Model:



Accuracy of KNN : 68%



Accuracy of Logistic regression:89%

User interface of English model

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☐ All Bookmarks

Fake News Detection

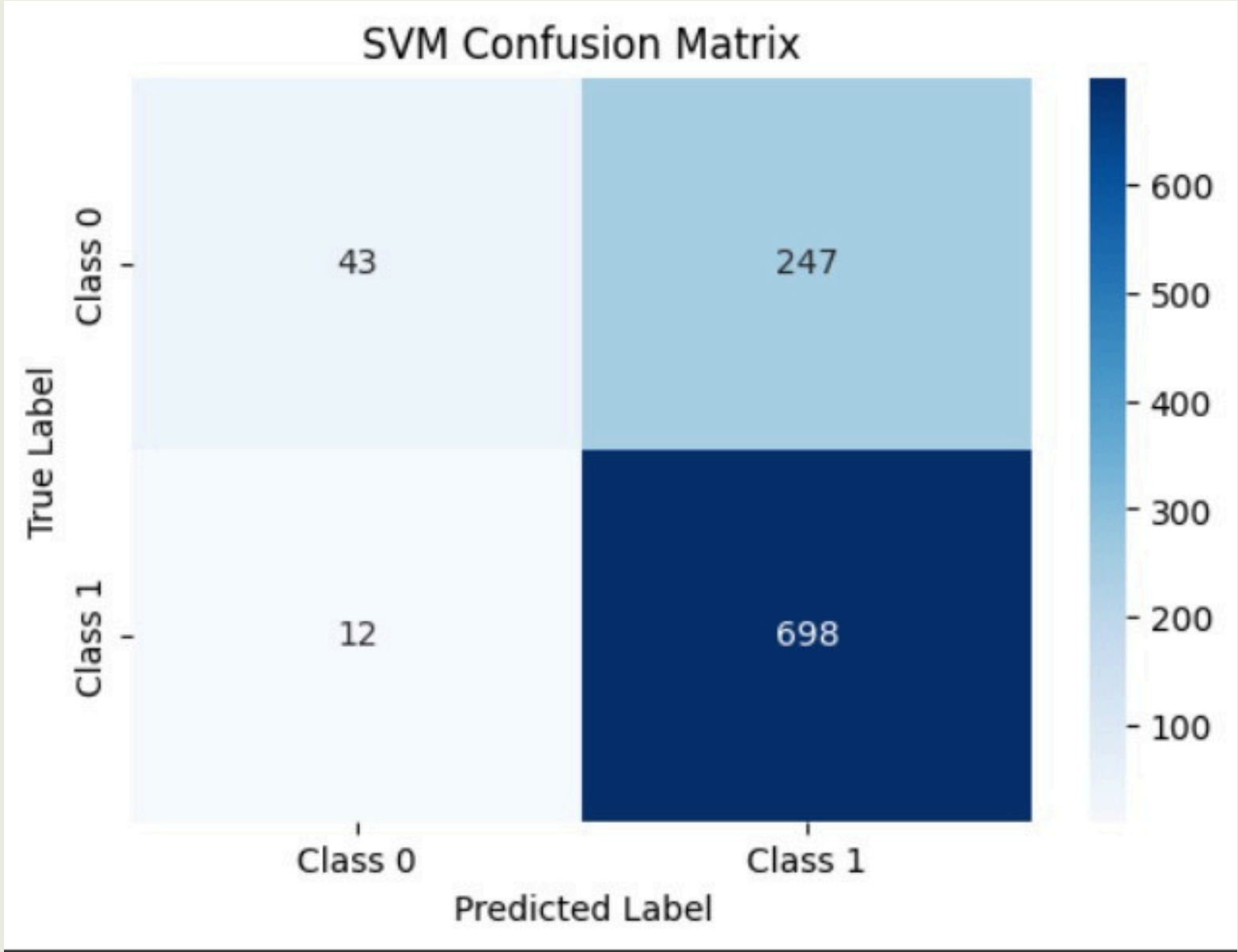
Enter your article text here...

Classify Text

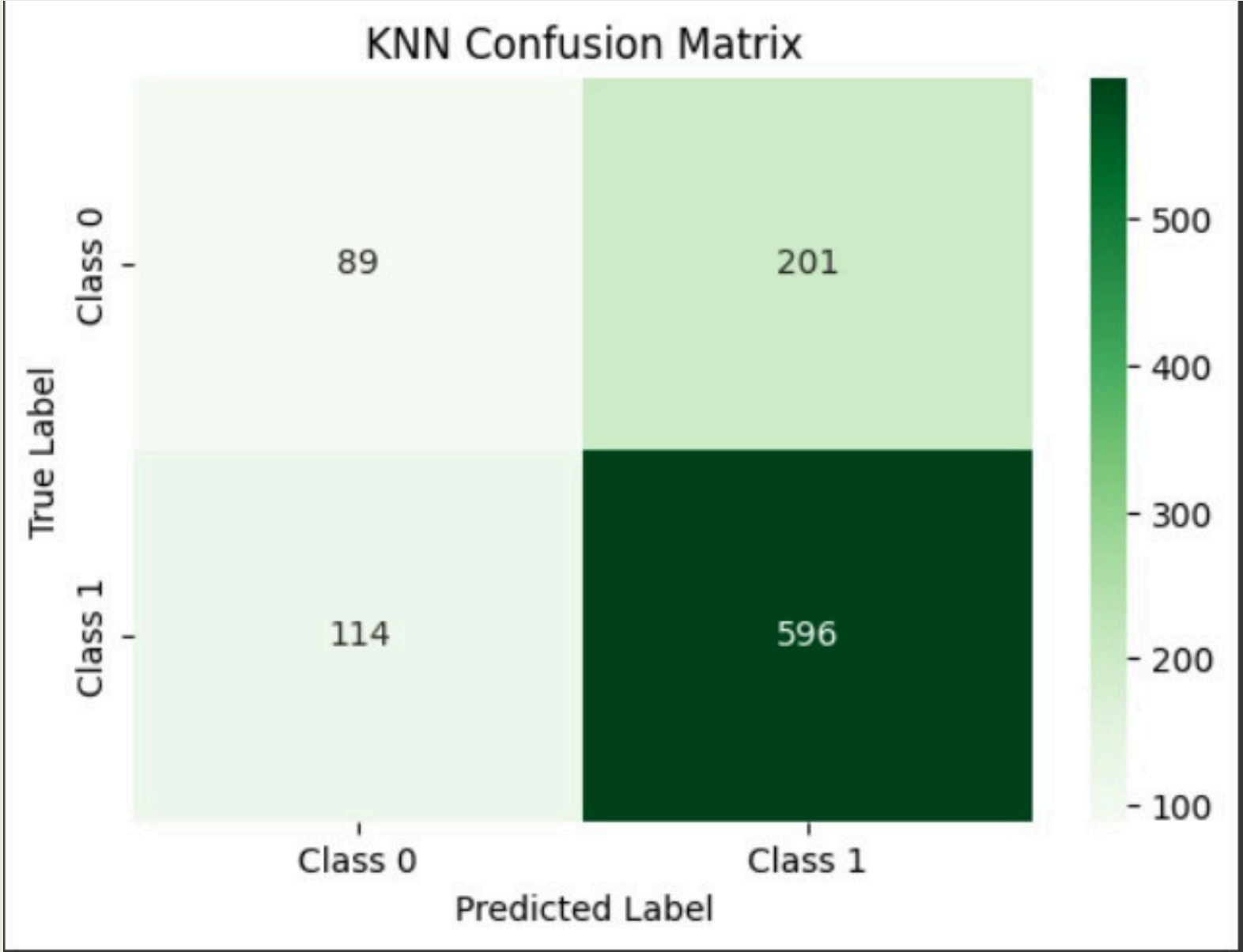
Prediction Result

>_<

Results of Telugu Model



Accuracy of SVM:0.74



Accuracy of KNN:0.69

Example Output for user input

Enter the article text: ‘అబ్ కీ బార్.. కీసాన్ సర్కార్’ నినాదంతో మహారాష్ట్రలో అడుగుపెట్టింది భారత రాష్ట్ర సమితి. నిరుడు మహారాష్ట్రలో వివిధ ప్రాంతాల్లో నిర్వహి
Predicted label: True

Thank you.

Group 8