ML Practice Task

Project Title: Transport Complaints Classifier

Project Goal:

Develop a machine learning model that classifies public transport complaints as positive or negative based on the review text.

 • Upload the project to GitHub and provide the repository link. Also send the video demonstration of your project.

Tasks:

- Perform text preprocessing (cleaning, lemmatization/stemming, stopword removal, etc.).
- Conduct sentiment analysis of reviews and create a binary label:
    - 1 — positive review
    - 0 — negative review
- Build and train a machine learning model.
- Evaluate the model performance.

Dataset file(Attached):

AI_dataset.xlsx

Technical Requirements:

- Use Python (recommended: pandas, sklearn, nltk/spacy, matplotlib/seaborn).
- Add visualizations of review distributions, word frequencies, and model confusion matrix.