

# Project Proposal

Our group, consisting of Teerth Patel, Achyut Dedania, and Vansh Rastogi, is embarking on a project for our data mining course focusing on fake news detection. Our primary data source will be news dataset gathered from GeeksforGeeks (GFG) and Kaggle. The problem we aim to address is the proliferation of misinformation and false narratives in the media landscape, which can have significant societal repercussions.

Fake news detection presents an intriguing challenge due to its complex nature and the constant evolution of deceptive techniques. By leveraging machine learning algorithms, we intend to develop classifiers capable of distinguishing between genuine and fabricated news articles.

What makes this problem particularly compelling is its relevance in contemporary society. With the rise of social media and online news platforms, misinformation spreads rapidly, influencing public opinion and decision-making processes. By combating fake news, we contribute to fostering a more informed and discerning society.

Our project involves implementing various classification algorithms, with each team member focusing on a specific approach. By comparing the performances of these algorithms, we aim to identify the most effective methods for fake news detection. This endeavour not only deepens our understanding of machine learning techniques but also equips us with practical skills in data mining and analysis.

In summary, our project seeks to address the pressing issue of fake news through the application of data mining techniques. By leveraging news datasets from GFG and Kaggle and employing diverse classification algorithms, we aim to contribute to the development of effective strategies for identifying and combatting misinformation in the digital age.