

DEEP LEARNING and its APPLICATIONS



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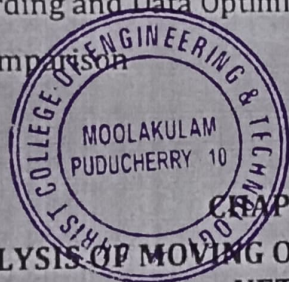
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A Review of Social Media Content Sentiment Analysis using Deep Learning

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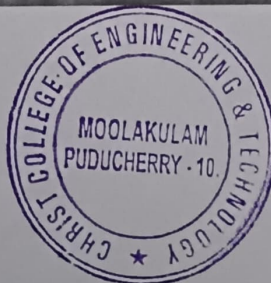
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ABSTRACT

Users' views, feelings, opinions, and arguments about various social events, products, brands, and politics are generated by the World Wide Web through sites like social networks, review sites, blogs, and forums. Users' online opinions have a significant impact on readers, product manufacturers, and politicians. Sentiment analysis has received a lot of attention because it is necessary to analyse and properly structure the unstructured social media data. Text organization, also known as sentiment analysis, is a method for categorizing the thoughts and feelings that are expressed in a text in a variety of ways, such as positive, positive, favourable, unfavourable, thumbs up, thumbs down, and so on. However, difficulties in natural language processing (NLP) are making sentiment analysis less effective and accurate. Deep learning models have been shown to be a promising approach to NLP's difficulties in recent years. The most recent studies that have used deep learning to solve problems in sentiment analysis, such as sentiment polarity, are reviewed in this chapter. Models utilizing term recurrence opposite record recurrence (TF-IDF) and word implanting have been applied to a series of datasets. This Review Chapter highlights the most recent research on how to use deep learning models like deep neural networks, convolutional neural networks, and many others to solve sentiment analysis problems like sentiment classification, cross-lingual problems, textual and visual analysis, and product review analysis, among other things.

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