IJARSCT



International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal

Volume 3, Issue 1, June 2023

Building Potential News Apps using NLP Techniques and Flutter Framework

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Abstract: In this paper, the design and implementation of an application that combines machine learning (ML) and natural language processing (NLP) methods are shown. With the help of artificial content analysis and personalized news recommendations, the programme hopes to improve the user experience. The suggested system provides a complete solution for consumers looking for pertinent and interesting news information by utilizing NLP algorithms for text processing and ML models for classification and recommendation. The main difficulties and prospects in creating such a sophisticated news application are covered in this paper, along with the underlying technology and system architecture.

Keywords: News recommendation, NLP, Sentiment analysis, Personalization, Flutter, Accuracy

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DOI: 10.48175/568

