IJARSCT
International Journal of Advanced Research in Science, Communication and Technology
International Open-Access, Double-Blind, Peer-Reviewed, Refereed, Multidisciplinary Online Journal
ISSN: 2581-9429
Volume 5, Issue 7, April 2025
Impact Factor: 7.67

AI & ML-Based Autism Prediction System

Sakshi Shahane, Urvashi Thakkar, Minal Rane, Saloni Shah,
Likhith Duru, Prof. Dnyaneshwari Umap
Sandip University, Nashik, India

Abstract: *Due to the rapid growth of network data, the authenticity and reliability of network information have become increasingly important and have presented challenges. Most of the methods for fake review detection start with textual features and behavioral features. However, they are time-consuming and easily detected by fraudulent users. Although most of the existing neural network-based methods address the problems presented by the complex semantics of reviews, they do not account for the implicit patterns among users, reviews, and products; additionally, they do not consider the usefulness of information regarding define-grained aspects in identifying fake reviews. In this paper, we propose an attention – based multi-level interactive neural network model with aspect constraints that mines the multilevel implicit expression mode of reviews and integrates four dimensions, namely, users, review texts, products and define - grained aspects, into review representations. We model the relationships between users and products and use these relationships as a regularization term to redefine the model's objective function. The experimental results from three public datasets show that the model that we propose is superior to the state- of-the-art methods*

Keywords: Artificial Intelligence (AI), Machine Learning (ML), Logistic Regression, Decision Tree, Random Forest Algorithm

DOI: 10.48175/568