

Paper Name (Author, Year)	Area	Technique	Algorithms	Results	Limitations	Reference	Team Members
"A Comprehensive Survey on Sentiment Analysis" (Chandan, 2025)	Survey	Literature Survey	-	Field overview	May lack latest 2025 Q3 - Q4 results	Chandan, M. K., & Mandal, S. (2025). <i>A comprehensive survey on sentiment analysis: Framework, techniques, and applications</i> . Computer Science Review, 58, Article 100777. https://doi.org/10.1016/j.cosrev.2025.100777	Jeluxshan Prajeevan Fathima
"Sentiment Analysis in Voice, Speech, and Audio: A Comprehensive Review..." (GRENZE, 2024)	Survey	Feature / Detection Review	Overview	Latest methods	Broad, depth variable	Bapat, M. M., Patil, C. H., & Mali, S. M. (2025, January). <i>Sentiment analysis in voice, speech, and audio: A comprehensive review of feature extraction and detection techniques</i> . Grenze International Journal of Engineering and Technology.	
"REAL TIME VOICE REVIEW BASED AUDIO SENTIMENT ANALYSIS" (IRJMETS, 2024)	System	CNN, LSTM	CNN, LSTM	Real - time high accuracy	May lack multi - language scope	Ashwitha, S., & Anbumani, P. (2024, August). Real time voice review based audio sentiment analysis system using multi perceptron model for e-commerce. <i>International Research Journal of Modernization in Engineering Technology and Science</i> , 6(8). https://doi.org/10.56726/IRJMETS60883	
"Voice Based Hybrid Sentiment Analysis on Movie Reviews" (IJRASET, 2025)	Application	Hybrid (acoustic + text)	SVM, Naïve Bayes, BERT, LSTM	Hybrid system, improved accuracy	Focused on English	Venkateswari, G., Srinija, Y., Sasikala, P., Deepika, T. H., & Sirisha, P. (2025, April 24). Voice based hybrid sentiment analysis on movie reviews. <i>International Journal for Research in Applied Science & Engineering Technology</i> (IJRASET), 13(4), 2321–9653. https://doi.org/10.22214/ijraset.2025.69606	
"An Enhanced Speech Emotion Recognition Using Vision Transformer" (Akinpelu et al., 2024)	Model	Vision Transformer	ViT, MLP head	98% TESS, 91% EMO - DB	Focus on SER, not sentiment	Akinpelu, S., Viriri, S., & Adegun, A. (2024). An enhanced speech emotion recognition using vision transformer. <i>Scientific Reports</i> , 14, 13126. https://doi.org/10.1038/s41598-024-63776-4	
"A Comparison Between Convolutional and Transformer Approaches..." (Iyer et al., 2022)	Model Comparison	CNN, Wav2Vec2	AlexNet, Wav2Vec2-XLSR	Wav2Vec2-high accuracy	Benchmarked on English datasets	Iyer, S., Glackin, C., Cannings, N., Veneziano, V., & Sun, Y. (2022, July). A comparison between convolutional and transformer architectures for speech emotion recognition. In <i>Proceedings of the 2022 International Joint Conference on</i>	

						<i>Neural Networks (IJCNN)</i> . IEEE. https://doi.org/10.1109/IJCNN55064.2022.9891882
“Speech Emotion Recognition with Hybrid CNN-LSTM...” (Mudiyanselage et al., 2025)	Application	Hybrid CNN - LSTM	CNN, LSTM	Hybrid superior for SER	Study on specific tasks	Kumari, H. M. L. S., Kumari, H. M. N. S., & Nawarathne, U. M. M. P. K. (2025). Speech emotion recognition with hybrid CNN-LSTM and transformers models: Evaluating the hybrid model using Grad-CAM. <i>International Journal of Robotics & Computer Engineering</i>
“Speech emotion recognition with light weight deep neural ensemble” (Chowdhury et al., 2025)	Benchmarking	CNN, Bi - LSTM	CNN, Bi - LSTM	High accuracy with small models	Possibly limited language coverage	Chowdhury, J. H., Ramanna, S., & Kotecha, K. (2025). Speech emotion recognition with light weight deep neural ensemble model using hand-crafted features. <i>Scientific Reports</i> , 15, Article 11824. https://doi.org/10.1038/s41598-025-95734-z
“Top 7 Methods for Audio Sentiment Analysis” (2025)	Review / Guide	MFCC, CM - BERT, Prosodic	DNN, RNN, LSTM, CM - BERT	Method overview	Not primary research	Arslan, E. (2025, July 25). Top 7 methods for audio sentiment analysis. <i>Exploratorium</i> . Retrieved September 26, 2025