Table Summary of Research papers for literature survey

Sr No	Title of Paper (Year)	Dataset	Algorithms/ Methodologies	Evaluation Parameters	Advantages	Disadvantages	Future Scope
1	Fake News Detection using Machine Learning (2020, IEEE iSSSC)	Real vs fake news datasets	SVM, Naïve Bayes, Passive Aggressive; TF-IDF	Accuracy, Confusion Matrix	High accuracy (95% with SVM + TF-IDF); interpretable	Limited dataset; SVM slower	Extend with multimodal features and larger datasets
2	A Smart System for Fake News Detection Using Machine Learning (2019, IEEE ICICT)	Online news & social media	Naïve Bayes, SVM; NLP preprocessing; 3-module system	Accuracy (93.6%)	Practical architecture; interpretable ML	Only text-based; lacks multimodal/adversarial handling	Real-time feeds, integration with deep/fuzzy logic
3	Fake News Detection Using Machine Learning Approaches (2021, IOP Conf. Ser.)	Manually annotated datasets	Decision Tree, Random Forest, SVM, Naïve Bayes; Count Vectorizer, TF-IDF	Precision, Recall, Accuracy	Clear comparison of classical ML; easy to implement	No deep learning; small dataset	Add BERT/transformers, multilingual datasets
4	Fake News Detection Using Machine Learning (IEEE, 2021)	Real vs. fake news datasets (TF-IDF, bag-of-words)	SVM, Naïve Bayes, Decision Tree, Passive Aggressive	Accuracy, Precision, Recall, F1	Simple, interpretable models; easy to reproduce	Limited novelty; small datasets; not robust	Extend with multimodal features and larger datasets
5	Fake News Detection Using Machine Learning Approaches: A Systematic Review (IEEE, 2019)	Survey of LIAR, Kaggle, Politifact datasets	Reviews Naïve Bayes, SVM, Decision Tree, Ensemble, early DL (CNN/RNN)	Accuracy, F1 (across surveyed works)	Comprehensive overview of early approaches	Outdated — no transformers covered	Update survey with transformer and multimodal models
6	Fake News Detection Using Deep Learning: A Systematic Literature Review (IEEE Access, 2024)	Summarises multiple public datasets (LIAR, FakeNewsNet, Buzzfeed, etc.)	CNN, LSTM, BiGRU, BERT, Transformers, Hybrid & XAI	Accuracy, Precision, Recall, F1	Covers latest deep learning & XAI; comprehensive	No new implementation; only survey	Explore robust cross-domain and real-time DL models
7	Fake News Detection Using Python and Machine Learning (ScienceDirect, 2024)	Public Kaggle-style fake/real news datasets	NLP preprocessing, TF-IDF, Logistic Regression, SVM, Random Forest	Accuracy, Confusion Matrix, Precision, Recall	Hands-on, implementation-focused; easy to replicate	Limited scale; no deep learning	Add neural models, multimodal datasets
8	Unveiling the Hidden Patterns: A Novel Semantic Deep Learning Approach to Fake News Detection on Social Media (ScienceDirect, 2024)	FakeNewsNet & benchmark datasets	Fine-tuned BERT + BiGRU; cross-modality attention; user-behaviour features	Accuracy, Precision, Recall, F1	Semantic + user context modeling; SOTA	High compute; needs user data	Cross-lingual, multi-platform efficient transformers
9	A Systematic Review of Multimodal Fake News Detection on Social Media (ScienceDirect, 2025)	Multimodal datasets (FakeNewsNet multimodal, Twitter + images, Weibo)	Early/late fusion, attention, multimodal transformers	Accuracy, Ablation, Robustness metrics	First comprehensive multimodal survey	No single model; multimodal datasets harder to access	Create standardized multimodal benchmark datasets
10	Content-Based Fake News Detection With Machine and Deep Learning: A Systematic Review (ScienceDirect, 2023)	Content datasets (LIAR, Kaggle, Politifact, GossipCop)	TF-IDF, POS, readability, embeddings (Word2Vec, BERT), ML & DL models	Accuracy, F1, Precision, Recall	Strong taxonomy of features + models; interpretable	Focused only on content, ignores multimodal	Extend to include multimodal & social-context features