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Publications

Journal Papers

[J1] Rajnish Pandey, Abhinav Kumar, Jyoti Prakash Singh, and Sudhakar Tripathi. "A hybrid convolutional neural network for sarcasm detection from multilingual social media posts". *Multimedia Tools and Applications* 84.16 (2025), **(Scopus)**.

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[J20] Abhinav Kumar, Jyoti Prakash Singh, and Amit Kumar Singh. "COVID-19 Fake News Detection Using Ensemble-Based Deep Learning Model". *IT Professional* 24.2 (2022), **(Impact Factor: 2.6)**.

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[BCh1] Dibya Ranjan Das Adhikary, Prabhat Dansena, Dharamveer Yadav, Abhinav Kumar, and Laxminath Tripathy. "Role of Digital Agriculture in Shaping the Future of Farming: A Social Network Analytics Approach". *Social Network Analytics: Empowering Data Engineering with Deep Learning and Large Language Models*.

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[BCh3] Abhinav Kumar. "Multimodal Meme Identification for Sustainable Development: Techniques, Challenges, and Societal Impact". *Multimedia and Multimodal Intelligence for Sustainable Development*.

[BCh4] Vijay Kumar, Abhinav Kumar, and Pradeep Kumar Roy. "Explainable Transfer Learning Model for Disaster Damage Assessment from Social Media Images". *Social Network Analytics: Empowering Data Engineering with Deep Learning and Large Language Models*.

[BCh5] Rajnish Pandey, Abhinav Kumar, and Jyoti Prakash Singh. "Sarcasm Detection in Code-Mixed Social Media Posts: A Hybrid Perspective". *Social Network Analytics: Empowering Data Engineering with Deep Learning and Large Language Models*.

[BCh6] Dibya Ranjan Das Adhikary, Jitesh Pradhan, Abhinav Kumar, and Brijendra Pratap Singh. "A Multilingual Review of Hate Speech Detection in Social Media Content". *Cybercrime in Social Media: Theory and Solutions*.

[BCh7] Brijendra Pratap Singh, Abhinav Kumar, Dibya Ranjan Das Adhikari, Jitesh Pradhan, Durgesh Singh, and Debahuti Mishra. "Fundamental Theories Behind the Detection of Fake News and Rumors". *Cybercrime in Social Media: Theory and Solutions*.

Books (Upcoming)

[B1] Deepak Gupta, Mayank Pandey, Abhinav Kumar, and P. N. Suganthan, eds. *Next-Generation Networks and Deployable Artificial Intelligence. Proceedings of NGNDAI 2025*. Singapore: Springer, 2025.

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