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AREAS OF EXPERTISE

Computer Science Artificial Intelligence

Strong foundation in computer science principles, including algorithms, data structures, and software development. Experienced in artificial intelligence techniques such as machine learning, data analysis, and intelligent systems, with a focus on building efficient, scalable, and practical solutions.

PROFESSIONAL EXPERIENCE

Ravenshaw University 2008 - Present

Assistant Professor

Cuttack

PUBLICATIONS

- Leveraging natural language processing and graph models for sarcasm detection in text: Applications in health informatics and biomedical research**
Manish Chandra Roy, Sukant Kishoro Bisoy, Pradipta Kumar Das
Harnessing Artificial Intelligence-Enhanced Graph Models for Biological Discovery , Vol. (2026) , pp. 63-82
- Advancing news headline sarcasm detection through hybrid neural networks**
Roy M.C.;Bisoy S.K.;Sahoo P.K.;Kumawat G.
Discover Computing , Vol. 29 (2026) , pp.
- A Diffusion Driven Multimodal Fusion Framework for Context Aware Sarcasm Detection via Sentiment Syntax Graph Modeling**
Manish Chandra Roy, Sukant Kishoro Bisoy, Pradipta Kumar Das
Arabian Journal for Science and Engineering , Vol. (2025) , pp. 1-23
- Advanced Feature Engineering and Model Improvement for Sarcasm Detection Using Deep Learning Architectures**
Manish Chandra Roy, Sukant Kishoro Bisoy, Pradipta Das
2025 IEEE International Students' Conference on Electrical, Electronics and Computer Science

(SCEECS) , Vol. (2025) , pp. 1-5

5. **Sarcasm Detection: A Multi-Modal Approach Integrating Text, Audio, and Visual Cues**

Manish Chandra Roy, Sukant Kishoro Bisoy, Pradipta Kumar Das

International Conference on Intelligent Computing and Advances in Communication , Vol. (2024) , pp. 1-11

6. **News Headlines Sentiment Analysis Using Vectorization Techniques**

Manish Chandra Roy, Sukant Kishoro Bisoy, Pradipta Kumar Das

World Conference on Artificial Intelligence: Advances and Applications , Vol. (2024) , pp. 205-217

7. **'Notification Based Multichannel MAC (NM-MAC) Protocol for Wireless Body Area Network '**

'Roy, Manish Chandra and Samal, Tusarkanta and Sahoo, Anita '

(0) , pp. '124--133 '