

## Faculty Profile



**Name:** Dr. SANJIB KUMAR RAUL

**Designation:** Assistant Professor

**Teaching Areas:** DBMS, OOPS, Java Programming, Data Structures, Machine Learning, Deep Learning, NLP

**Research Interests:** Online Social Networks, NLP, Internet of Things, Machine Learning, Deep Learning

### Education:

- PhD (CSE), NIT Warangal, Warangal, 2024.
- MTech (ICT), IIT Kharagpur, Kharagpur, 2013.
- BE (CSE), BIET, Bhadrak, Odisha, 2005

### Research / Selected Publications:

#### Journals:

1. Raul, Sanjib Kumar, R. R. Rout, and D. Somayajulu, "Topic classification using regularized variable-size cnn and dynamic bps0 in online social network," *Arabian Journal for Science and Engineering*, (Springer), vol. 49, pp. 3347–3369, 2024
2. Raul, Sanjib Kumar, R. R. Rout, and D. Somayajulu, "A novel weighted majority voting-based ensemble approach for detection of road accidents using social media data," *Social Network Analysis and Mining*, (Springer), vol. 14, p. 214, 2024
3. Raul, Sanjib Kumar, R. R. Rout, and D. Somayajulu, "Weighted ensemble learning for accident severity classification using social media data," *SN Computer Science*, (Springer), vol. 5, p. 528, 2024.
4. R. R. Rout, S. Vemireddy, Raul, Sanjib Kumar, and D. V. Somayajulu, "Fuzzy logic-based emergency vehicle routing: An iot system development for smart city applications," *Computers & Electrical Engineering*, (Elsevier), vol. 88, p. 106 839, 2020

#### Conferences:

1. Raul, Sanjib Kumar, R. R. Rout, and D. Somayajulu, "Deep learning and dynamic bps0 for road accident severity prediction using twitter data," in *The 15th International IEEE Conference on Computing, Communication And Networking Technologies (ICCCNT)*, IIT - Mandi, Kamand, pp. 1-7, 2024