

# Swapnil MANE

## Prime Minister Research Fellow | Indian Institutes of Technology Jodhpur

@ mane.1@iitj.ac.in

🔗 swapnilsmane.github.io/

📍 Department of Computer Science and Engineering, Indian Institute of Technology Jodhpur, 342037

📊 Current CGPA: 8.60

I am working in the research group SoNAA: Social Network Analysis and Application, led by Dr. Suman Kundu at IITJ. Currently pursuing doctoral research to detect, analyze and tackle cyber-aggressive behavior on Indian social media



### 📁 PROJECTS

- *Multilingual ngram-based convolutional network for aspect category detection in online reviews*  
Multilingual Reviews Aspect Category Jan 2022 - Apr 2022
- *Knowledge Distillation: Aggression Detection Using Mini BERT*  
Aggression Detection BERT NLP Jan 2022 - Apr 2022
- *KnowldgeNet Relationship Classification Using a Pre-trained Model*  
Relationship Classification Entity NLP Jan 2022 - Apr 2022
- *Analysis of Author's Abusive Behaviour Community on Twitter*  
Author Profiling Abusive Speech SNA Aug 2021 - Nov 2021
- *Contextual Journal Recommendation and Query Search Engine Using Word Embedding*  
Context Vector Recommendation NLP Aug 2021 - Oct 2021
- *Polarity based Sarcasm Detection using Semigraph*  
Sarcasm Detection Semigraph NLP Aug 2020 - Mar 2021
- *Thematic context vector association based on event uncertainty for twitter*  
Context Vector Twitter NLP Jul 2020 - Aug 2020
- *Effective Feature Extraction for Intrusion Detection System using Non-negative Matrix Factorization and Univariate analysis*  
Effective Feature extraction IDS Jul 2020 - Nov 2020

### 📖 JOURNALS AND CONFERENCES

- 2023 S. Mane, S. Kundu, and R. Sharma, "You are what your feeds makes you: A study of user aggressive behavior on Twitter," IEEE Transactions on Computational Social Systems, (communicated).
- 2021 S. Mane and V. Khatavkar, Researchers eye view of sarcasm detection in social media textual content, International Journal of Creative Research Thoughts (IJCRT), ISSN:2320-2882, Volume.9, Issue 8, pp.150-157, August 2021.
- 2021 S. Mane and V. Khatavkar, "Effective feature extraction for intrusion detection systems using non-negative matrix factorization and univariate analysis," International conference SACAIM 2021 (Presented)

### 🎓 CERTIFICATIONS

- 2021 Applied Natural Language Processing, NPTEL
- 2021 Deep Learning, NPTEL
- 2018 Data Science Professional, Coursera
- 2018 NLP - Natural Language Processing with Python, Udemy
- 2018 Python for Data Science and Machine Learning Bootcamp, Udemy
- 2018 Prepare Manuscript, Elsevier
- 2018 Python (Basic), HackerRank
- 2018 Data Science using Python, MITU Skillologies
- 2018 Programming, Data Structure And Algorithms Using Python, NPTEL

### 📖 REFERENCES

- Dr. Suman Kundu, Assistant Professor, CSE, IIT Jodhpur @ suman@iitj.ac.in
- Dr. Rajesh Sharma, Associate Professor, CSE, University of Tartu, Estonia @ rajesh.sharma@ut.ee
- Dr. Lipika Dey, Chief scientist, TCS Research and Innovation @ lipikadey@gmail.com

### 🎓 EDUCATION

#### M.Tech - Computer Engineering

College Of Engineering, Pune (COEP).

📅 2019 - 2021

📊 CGPA: 8.60

#### B.Tech - Computer Science and Engineering

Rajarambapu Institute of Technology (RIT), Islampur.

📅 2015 - 2019

📊 CGPA: 7.22

### 💼 EXPERIENCE

#### Indian Institute of Technology, Jodhpur

##### Teaching Assistant

📅 August 2021 - Present

#### Keydabra Inc.

Data Scientist Engineer, Atlanta, U.S.

📅 April 2021 - July 2021

#### College of Engineering, Pune

##### Teaching Assistant

📅 August 2019 - July 2021

#### OneDot Enterprises Private Limited

##### Data Science Intern

📅 June 2020 - August 2020

### 🏆 AWARDS AND RECOGNITIONS

- 2022 **Prime Minister Research Fellowship**  
Ministry of Education, Government of India
- 2019 **Excellence Award**  
Department of Computer Science and Engineering, RIT among 120 students
- 2019 **Best Student of the Year Award**  
RIT among 1000 students
- 2018 **First in coding competition**  
CODE-IT, PVPIT
- 2018 **Best Drama Director Award**  
Purushottam Karandak Kolhapur division, maharashtra

### 🎓 ACTIVITIES AND MEMBERSHIPS

- 2023 Successfully cleared the Comprehensive exam and delivered the State-of-the-Art seminar at IITJ. Poster presented at IITJ Open House - Padaro 2.0.
- 2022 Member of Institution of Engineering and Technology (IET) Pune.
- 2021 Talk on "Basics of Machine Learning" PCP Pune.
- 2019 Student cultural representative RIT Islampur.