Swapnil MANE

Ph.D. | PMRF Fellow | Indian Institutes of Technology Jodhpur

@ mane.1@iitj.ac.in   swapnilsmane.github.io/   www.youtube.com/@swapnilmane-iitj/videos
Department of Computer Science and Engineering, Indian Institute of Technology Jodhpur, 342037
Current CGPA: 8.60

I am a data science enthusiast working on solving interesting problems in the intersection of NLP and GNN. Specifically, I work on LLM, KG, and GNN, . Currently working on detecting, analyzing, and predicting user aggression in Indic languages on 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

2025 TSGAN: Temporal Social Graph Attention Network for Aggressive Behavior Forecasting, *AAAI 2025*.

2025 You are what your feeds make you: A study of user aggressive behavior on Twitter, *Applied Intelligence*.

2025 A Survey on Online User Aggression: Content Detection and Behavioural Analysis on Social Media Platforms, *ACM CSUR*.

2023 Thematic context vector association based on event uncertainty for Twitter, *NICEDT Conference*.

2021 Researchers eye-view of sarcasm detection in social media textual content, *ICCAE Conference*.

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

NPTEL
Teaching Assistant
August 2024 – March 2025

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

2023 **Outstanding TA Award**
CSE Department, IITJ

2019 **Excellence Award**
CSE Department, 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

2022 Member of Institution of Engineering and Technology (IET) Pune.

2021 Talk on "Basics of Machine Learning" Pimpri Chinchwad Polytechnic College Pune.

2019 Student cultural representative Rajarambapu Institute of Technology Islampur.