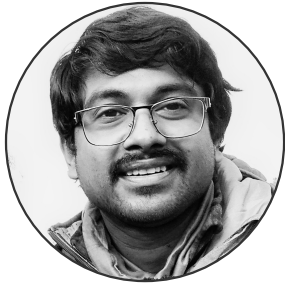# Suman **Kundu**

ASSISTANT PROFESSOR · IIT JODHPUR

Department of Computer Science and Engineering
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⌂ https://sumankundu.info | suman5 | drskundu | suman.kundu
🎓 Google Scholar Profile

Research Interests: Social/Complex Networks, Streaming Algorithms, Granular & Soft
Computing, Network Data Science
Publications: 14/7 (published/communicated), Citation: 256, h-index: 6, i10-index: 5

Education

Ph.D. in Engineering (Computer Science and Engineering) *Kolkata, India*
JADAVPUR UNIVERSITY *June 30, 2017*
- Principle Supervisor: Padma Shri Prof. Sankar K. Pal of Indian Statistical Insitute
- Work Done At: Center for Soft Computing Research, Indian Statistical Institute, India

Research Experience

Adiunkt (Postdoctoral Research) *Wrocław, PL*
DEPARTMENT OF COMPUTATIONAL INTELLIGENCE , POLITECHNIKA WROCŁAWSKA *June 2018 - April 2019*
- Project: Fusion and uncertainty in information diffusion

Visiting Research Fellow - Part-time (Postdoctoral Research) *Kolkata, India*
CENTER FOR SOFT COMPUTING RESEARCH , INDIAN STATISTICAL INSTITUTE *Jan 2016 - Feb 2018*
- **Topic**: Social Link Prediction
  - ☞ Proposed a new variant of rough set, namely, double bounded rough set.
  - ☞ Calculated social tension (force) measure between two nodes and use it for future link prediction

Sr. Research Fellow (Ph.D. Candidate) *Kolkata, India*
CENTER FOR SOFT COMPUTING RESEARCH , INDIAN STATISTICAL INSTITUTE *April 2010 - October 2015*
- **Thesis Title**: Granular Model for Social Networks, Target Set Selection and Fuzzy-Rough Community Detection

Industrial Experience

Zinfi Software Systems Pvt. Ltd. *Kolkata, India*
CONSULTANT *January 2016 - May 2018*
- Managing Research and Development
- Responsible for designing architecture of the product
- Total value earned: $\approx$ US$20,500$

Zinfi Software Systems Pvt. Ltd. *Kolkata, India*
SENIOR SOFTWARE ENGINEER *March 2006 - April 2010*
- Started with Trainee Software Engineer, eventually promoted to Senior Software Engineer
- Responsible for manage team of 3-5 software developer.
- Designed and developed software architecture of three modules.

Award

2013   **International Travel Fellowship Award**, Latin American eScience Workshop 2013: Turning Data into Insight   *São Paulo, Brazil*

Skills

Programming	C#, Python, Mathematica, LaTeX, Transact SQL, Javascript, JAVA, C
Back-end	SQL Server, REST API
Front-end	HTML5, Asp.Net, Angular2
Version Control	Git, Subversion, Visual Source Safe
Productivity Applications	Vim, Jupyter Notebook, Overleaf, Visual Studio, Netbeans, PyCharm, Microsoft Office
Project Management Tools	GitLab, Visual Studio Online, GitHub
Operating Systems	Linux (Fedora, CentOs, Ubuntu), MS Windows Family
Languages	English, Bengali, Hindi (Level B2), Sanskrit (Beginner)

Projects

Query Focused Multi-lingual Multi-document Summarization Towards Information Retrieval in Indian Language   *Funding: IIT Jodhpur*

STATUS: RUNNING   *Value: INR 1.85M*

The aim of the project is to develop a Multi-lingual, multi-document summarizer which can help find content based on user queries. This may help in learning by providing rich information from different languages and multiple documents. The query may be answered in the preferred language of the user as well.

Social Distance Alert and Monitoring System Using Smartphone, IOT and AI   *Funding: DST Rakshak*

STATUS: COMPLETED   *Value: INR 0.75M*

The aim of the project is to create a wristband that will sound a beep once it comes close to another device. This will help maintain social distance when you are in a gathering. Such a system can help organize events and seminars or maintain queues in post-COVID situations. ⬀

Publications

Visit the Google Scholar ⬀ or homepage ⬀ for the publication list.