

# RAJDEEP MUKHERJEE

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## Education

### Indian Institute of Technology (IIT) Kharagpur

Jan. 2018 – May 2023 (expected)

*Ph.D. in Computer Science and Engineering (Supervisor: Prof. Pawan Goyal)*

*Kharagpur, India*

### Indraprastha Institute of Information Technology (IIIT) Delhi

Jul. 2015 – Jul. 2017

*M.Tech in Computer Science and Engineering (CGPA: 9.11 | M.Tech Thesis)*

*Delhi, India*

### Jadavpur University

Jul. 2007 – Jun. 2011

*Bachelor of Engineering in Information Technology (CGPA: 8.59 | Bachelors Thesis)*

*Kolkata, India*

## Experience

### IBM Research Labs

May 2018 – Aug. 2018

*Summer Research Intern*

*Delhi, India*

- Worked with Dipayan Banerjee and Kuntal Dey towards the development of an efficient deep learning-based solution for identifying and recognizing sounds that do not contain a speech component.
- Participated in the **Bird Audio Detection** task as a part of IEEE AASP DCASE2018 Challenge.
- Our team secured **7th rank worldwide** (1st in India) among all participants. Challenge Results
- Our work was accepted as a **Poster** at DCASE2018 Workshop, held in Surrey, UK (November 2018).

### IIT Kharagpur

Aug. 2017 – Dec. 2017

*Senior Project Officer*

*Kharagpur, India*

- Worked on Online Social Network Analysis as part of CNeRG.
- Explored areas like Opinion Dynamics, Rumor Detection, and Click-bait Detection.

### PricewaterhouseCoopers (PwC) India

Aug. 2011 – Jul. 2015

*Technology Consultant*

*Kolkata, India*

- Worked as a Business Intelligence (BI) developer and Data Modeler in the Advisory Line of Service (LOS).
- Led projects in data warehousing, data modeling and BI using Microsoft technologies such as the MSBI suite.
- Held several positions of responsibility and was instrumental in managing client expectations and relationships.

## Selected Publications

### PASTE: A Tagging-Free Decoding Framework Using Pointer Networks for Aspect Sentiment Triplet Extraction

*EMNLP 2021*

*Rajdeep Mukherjee, Tapas Nayak, Yash Butala, Sourangshu Bhattacharya, Pawan Goyal*

### Understanding the Role of Affect Dimensions in Detecting Emotions from Tweets: A Multi-task Approach ([Paper](#) | [Blog](#) | [Poster](#) | [Slides](#) | [Code](#) | [Video](#) | [Citation](#))

*SIGIR 2021*

*Rajdeep Mukherjee, Atharva Naik, Sriyash Poddar, Soham Dasgupta, Niloy Ganguly*

### Reproducibility, Replicability and Beyond: Assessing Production Readiness of Aspect Based Sentiment Analysis ([Paper](#) | [Slides](#) | [Code](#) | [Video](#) | [Citation](#))

*ECIR 2021*

*Rajdeep Mukherjee, Shreyas Shetty, Subrata Chattopadhyay, Subhadeep Maji, Samik Datta, Pawan Goyal*

### Read what you need: Controllable Aspect-based Opinion Summarization of Tourist Reviews ([Paper](#) | [Slides](#) | [Code](#) | [Video](#) | [Citation](#))

*SIGIR 2020*

*Rajdeep Mukherjee, Hari Chandana Peruri, Uppada Vishnu, Pawan Goyal, Sourangshu Bhattacharya, Niloy Ganguly*

## Other Activities / Awards

### Professional / Extracurricular

- Reviewer/Sub-Reviewer: NeurIPS'21, SIGIR'21, SDM'21, EMNLP'20, SIGIR'20, LREC'20, TWEB'20, EMNLP'19.
- Teaching Assistant (Autumn'21): CS60092 - Information Retrieval (IIT Kharagpur), noc21-cs102 - NLP (NPTEL)
- Vocalist and Judge, Eastern Technology Music Society (ETMS), IIT Kharagpur.

### Awards

- SIGIR Student Travel Grant (2021, 2020).
- TCS Best Student Project Award and University Gold Medal, jointly awarded by TCS and Jadavpur University (2011).