

Soumyadeep Roy

Advanced Research for Connected Health (ARCH) Lab, Takshyashila Building, IIT Kharagpur, Kharagpur - 721302, West Bengal, India
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EDUCATION

Indian Institute of Technology Kharagpur, West Bengal, India

- Ph.D. in Computer Science and Engineering Jan 2020 – Present
 - Adviser: Prof. Niloy Ganguly and Prof. Shamik Sural
 - Focus areas: Consumer perception modeling, Health Informatics, Human-Computer Interaction.
 - Supported by Institute Ph.D. Fellowship.
- M.S. (Research) in Computer Science and Engineering Jul 2017 – Nov 2019
 - Thesis: Computational Approaches for Online Reputation Monitoring [Modeling, Analysis and Recommendation]
 - Adviser: Prof. Niloy Ganguly and Prof. Shamik Sural
 - Cumulative GPA: 9.21 / 10.00

Kalyani Government Engineering College, Kalyani, West Bengal, India

- B.Tech in Computer Science and Engineering Jul 2013 – Jul 2017
 - Thesis : Understanding Email Interactivity and Predicting User Response to Email
 - Advisor: Dr. Kousik Dasgupta and Mr. Binay Gupta
 - Cumulative GPA: 8.61 / 10.00

RESEARCH EXPERIENCE

Indian Institute of Technology Kharagpur, West Bengal, India

- Senior Research Fellow in Dept. of Computer Science and Engineering May 2019 – Dec 2019
- Junior Research Fellow in Dept. of Computer Science and Engineering Jun 2017 – May 2019
 - Member of Complex Networks Research Group (CNeRG)
- Indian Academy of Sciences Summer Research Fellowship Programme Jun 2016 – Jul 2016
 - Project: Anomaly Detection and Summarization of various Extreme Weather Events over Indian sub-continent
 - Guide: Prof. Sudeshna Sarkar, Dept. of Computer Science and Engineering
 - Technical Report, [Code](#)

Adobe Big Data Experience Lab, Bangalore, India

- Summer Research Internship May 2018 – Jun 2018
 - Project: Predicting Brand Personality from Web Content
 - Mentors: Mr. Anandhavelu Natarajan, Dr. Niyati Chhaya

PUBLICATIONS

CONFERENCES

- [4] S. Roy, K. Rudra, N. Agrawal, S. Sural and N. Ganguly, “Towards an Aspect-Based Ranking Model for Clinical Trial Search,” in the *8th International Conference on Computational Data and Social Networks (CSoNet 2019)*, pp. 209 - 222, Ho Chi Minh City, Vietnam, Nov 2019. [pdf](#) [code](#) [plus data slides](#)
- [3] S. Roy, N. Ganguly, S. Sural, N. Chhaya and A. Natarajan, “Understanding Brand Consistency from Web Content,” in *Proceedings of the 10th ACM Conference on Web Science (WebSci 2019)*, pp. 245 - 253, Boston, MA, USA, Jul 2019. [pdf](#), [data](#), [slides](#)
- [2] S. Roy, “Automated EBM-oriented Summarization of Active or Recruiting Clinical Trials,” in the *10th International Conference on COMMunication Systems & NETWORKS (COMSNETS 2018)*, 2 pages, Bangalore, India, Jan 2018. **Best Graduate Forum Presentation Award**

BOOK CHAPTER

- [1] S. Roy, N. Pal, K. Dasgupta, and B. Gupta, “Understanding Email Interactivity and Predicting User Response to email,” in *Methodologies and Application Issues of Contemporary Computing Framework (CICBA 2018)*, pp. 69 - 79, West Bengal, India, Jul 2018. [pdf](#), [code](#), [slides](#)

PROFESSIONAL ACTIVITIES (TALKS/ TRAVEL GRANTS/ REVIEWING)

- Performed the role of PC member of ECML-PKDD 2020 Applied Data Science Track.
- Received the Student Travel Grant for attending CODS-COMAD 2020 held at the Indian School of Business, Hyderabad, India in January, 2020.

- Presented the ACM WebSci 2019 paper titled *Understanding Brand Consistency from Web Content* at the “Out-of-India Exhibition” track of India HCI 2019 held at the Indian School of Business, Hyderabad, India on November 1 to 3, 2019
- Received IIT Kharagpur’s *Institute Travel Grant* and CNeRG Travel Grant, for attending ACM WebSci 2019 at NorthEastern University, Boston, MA, United States on July 1 - 6, 2019.
- Presented poster in the 1st RBCDSAI Web Science Symposium held at IIT Madras, India on February 25 - 26, 2019

OTHER WORK EXPERIENCE

- Research Idea titled *Understanding Health Complaints on Reddit* selected for Spotlight presentation in Healthcare Track at up.AI Summit 2018, IIT Kharagpur.
- Solution selected for the problem *Monitoring Migratory Birds Population in India as an Indicator of Climate Change* in the Smart India Hackathon Grand Finale 2017 at Coimbatore, India
- Qualified for the ACM-ICPC Kharagpur Regionals in 2014 and Amritapuri Regionals in 2015, as a member of Team BreakThrough.
- Successfully performed the role of *CodeChef Campus Chapter Representative* of Kalyani Government Engineering College from 2015 to 2017. Co-founded the college programming club, KeyGENcoders in March 2015 that is still running successfully for around 5 years; the programming awareness as well as participation have improved.

REFERENCES

- **Prof. Niloy Ganguly**
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