

## Academic Qualification

- **Indian Institute of Technology Kharagpur** Kharagpur, West Bengal  
*Ph.D. in Computer Sc. and Engineering* January, 2020 - Present  
– Supervisors: Prof. Niloy Ganguly and Prof. Shamik Sural
- **Indian Institute of Technology Kharagpur** Kharagpur, West Bengal  
*M.S.(Research) in Computer Sc. and Engineering CGPA:9.21* July, 2017 - November 2019  
– Thesis title : Computational Approaches for Online Reputation Monitoring [Modeling, Analysis and Recommendation]  
– Supervisors: Prof. Niloy Ganguly and Prof. Shamik Sural
- **Kalyani Government Engineering College** Kalyani, West Bengal  
*B.Tech in Computer Sc. and Engineering DGPA:8.61* 2013-2017  
– Ranked consistently within top 5 of the class.

## Work Experience

- **Indian Institute of Technology Kharagpur** Kharagpur, West Bengal  
*Senior Research Fellow in Dept. of Computer Science* June, 2019 - Present  
– Member of Complex Networks Research Group(CNeRG)
- **Indian Institute of Technology Kharagpur** Kharagpur, West Bengal  
*Junior Research Fellow in Dept. of Computer Science* June, 2017 - June, 2019  
– Member of Complex Networks Research Group(CNeRG)

## Research interests

Online Reputation Monitoring, Affective Computing, Consumer Health Search, Natural Language Processing

## Publications

- Soumyadeep Roy, Koustav Rudra, Nikhil Agrawal, Shamik Sural, Niloy Ganguly; *Towards an Aspect-based Ranking Model for Clinical Trial Search*, 8th International Conference on Computational Data and Social Networks (CSoNet 2019), Ho Chi Minh City, Vietnam (*Conference Full Paper*)[[Paper](#)] [[DOI](#)] [[Slides](#)] [[Code & Data](#)]
- Soumyadeep Roy, Niloy Ganguly, Shamik Sural, Niyati Chhaya, Anandhavelu Natarajan; *Understanding Brand Consistency from Web content*, Proceedings of the 10th ACM Conference on Web Science ( WebSci 2019), Boston, MA, USA (*Conference Full Paper*)[[Paper](#)] [[DOI](#)] [[Slides](#)]
- Soumyadeep Roy, Nibir Pal, Kousik Dasgupta, Binay Gupta; *Understanding Email Interactivity and Predicting User Response to email*, In Methodologies and Application Issues of Contemporary Computing Framework, pp. 69-79. Springer, 2018 (*Book Chapter*)[[Paper](#)] [[DOI](#)] [[Code](#)] [[Slides](#)]

## Reports, Projects and Internships

- **Research Internship, Adobe BigData Experience Lab, Bangalore** May - June, 2018  
*Predicting Brand Personality from Web Content*  
Mentors : Anandhavelu Natarajan, Niyati Chhaya
- **Deep Learning Term Project, IIT Kharagpur** Feb - Apr, 2018  
*Event Extraction and Coreferencing*  
Soumyadeep Roy, Avirup Saha, Gourab Kumar Patro [[Code](#)]

- **Social Computing Term Project, IIT Kharagpur** Sept - Nov, 2017  
*Prediction of hashtag flow in Twitter*  
 Avirup Saha, Soumyadeep Roy, Srinidhi Moodalagiri, Kushal Gaikwad, Abhay Shukla [**Code**]
- **Internship, Indian Institute of Technology, Kharagpur** August 2016  
*Intensity and track prediction for cyclones in the North Indian Ocean Basin*  
 Guide : Prof. Sudeshna Sarkar.
- **Research Fellowship, Indian Institute of Technology, Kharagpur** June - July 2016  
*Anomaly detection and Summarization of various extreme weather event over Indian sub-continent*  
 Guide : Prof. Sudeshna Sarkar [**Technical Report**] [**Code**]
- **Project, Kalyani Government Engineering College** September 2014 - February 2015  
*Pacman using A\* search*  
 Guide : Dr. Kousik Dasgupta [**Technical Report**]

## Professional Achievements

- **Best Graduate Forum Presentation Award at COMSNETS 2018:** Received for the paper titled *Automated EBM-oriented Summarization of Active or Recruiting Clinical Trials* at COMSNETS 2018 held at Bangalore, India on January 3 - 7, 2018
- **Indian Academy of Sciences Summer Research Fellowship Program 2016:** Got selected to pursue 2-month long research internship at IIT Kharagpur under Prof. Sudeshna Sarkar
- **Leverina 2012 and 2014 :** Awarded from the Hindustan Unilever Limited for good performance in Class 10 and Class 12 Boards exam

## Other Professional Activities

- Presented the ACM WebSci 2019 paper titled *Understanding Brand Consistency from Web Content* in the “Out-of-India Exhibition” Track of India HCI 2019 held at Indian School of Business, Hyderabad, India on November 1 to 3, 2019
- Participated in the First RBCDSAI Web Science Symposium held at IIT Madras, India on February 25 to 26, 2019
- Research idea titled *Understanding Health Complaints on Reddit* selected for Spotlight presentation in Healthcare Track at up.AI summit 2018, IIT Kharagpur [**Slides**]
- 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 [**Slides**]
- Qualified for the ACM-ICPC Regionals at Kharagpur in 2014 (Rank: 72) and at Amritapuri (Rank: 205) in 2015, as a member of Team BreakThrough

## Position of Responsibility

- Successfully performed the role of *CodeChef Campus Chapter Student representative* of our college. Organised workshops and hosted 7 programming contests on CodeChef. 2015 - 2017
- Co-founded KeyGEnCoders, the Programming Club of our college. Running for over 4 years, the programming awareness as well as the participation have improved. March 2015

## References

- **Niloy Ganguly**, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, niloy@cse.iitkgp.ac.in
- **Shamik Sural**, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, shamik@cse.iitkgp.ac.in
- **Niyati Chhaya**, Senior Scientist, Big Data Experience Lab, Adobe Research, bangalore, India, nchhaya@adobe.com
- **Kousik Dasgupta**, Assistant Professor, Department of Computer Science and Engineering, Kalyani Government Engineering College, Nadia(W.B), kousik.dasgupta@kgce.edu.in