

Soumyadeep Roy

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Institution : Indian Institute of Technology Kharagpur, India

Gender: M(Male)

Whether differently abled : No

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Date of Birth: November 23, 1994

Category: Gen(General)

Academic Qualification

- **Indian Institute of Technology Kharagpur** Kharagpur, West Bengal
MS in Computer Sc. and Engineering CGPA:8.625 (till 2nd Semester) July, 2017 - Present
 - Thesis title : Building an Online Reputation Monitoring Framework - Modelling 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
Junior Research Fellow in Dept. of Computer Science June, 2017 - Present
 - Member of Complex Networks Research Group(CNeRG)

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

Publications

- Soumyadeep Roy, Niloy Ganguly, Shamik Sural, Niyati Chhaya, Anandhavelu Natarajan; *Understanding Brand Consistency from Web content*, ACM WebSci 2019, Boston, MA, USA (Full paper) **Accepted**
- 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, Singapore, 2018 (*Book Chapter*)[**Code**] [**Paper**]

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**]

Other Professional Activities

- 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

Computing Skills

- **Programming languages** : Python, R, C/C++
- **Frameworks** : Tensorflow, Theano, Flask
- **Software packages** : Gephi, Android Studio

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
- **Sudeshna Sarkar**, Professor, Department of Computer Science and Engineering, Indian Institute of Technology, Kharagpur, sudeshna@cse.iitkgp.ac.in
- **Kousik Dasgupta**, Assistant Professor, Department of Computer Science and Engineering, Kalyani Government Engineering College, Nadia(W.B), kousik.dasgupta@kgec.edu.in