

Education

- **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 : Semi-supervised Techniques for building Recommender Systems
 - 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 2017
 - Ranked consistently within top 5 of the class.
- **The Frank Anthony Public School** Kolkata, West Bengal
CISCE, New Delhi; ISCE Percentage:94.25 2013
 - Scored 100% in Maths and 95% in Computer Science
- **The Frank Anthony Public School** Kolkata, West Bengal
CISCE, New Delhi; ICSE Percentage:95.40 2011
 - Scored 98% in Maths and 97% in Computer Applications

Employment History

- **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)

Research interests

Natural Language Processing, Personality detection, Semi-supervised learning, Health Informatics, Deep Learning

Publications

- Soumyadeep Roy, Nibir Pal, Kousik Dasgupta, Binay Gupta; *Understanding Email Interactivity and Predicting User Response to email*, 2nd International Conference on Computational Intelligence, Communications, and Business Analytics (CICBA-2018), West Bengal, India (*Full Paper*)[[Code](#)]
- Soumyadeep Roy; *Automated EBM-oriented Summarization of Active or Recruiting Clinical Trials*, COMSNETS 2018, Bangalore, India. **Best Graduate Forum Presentation Award**

Projects

- **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 [**Code**]
- **Project, Kalyani Government Engineering College** September 2014 - February 2015
Pacman using A search*
Guide : Dr. Kousik Dasgupta [**Technical Report**]

Scholastic Achievements

- **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

Computing Skills

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

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 almost 3 years 8 months, the programming awareness as well as the participation have improved. March 2015

Extra Curricular Activities

- 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**]
- Stood 4th in the App Development contest of ETCSIT-2015
- 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
- Ranked 127 in Round 2 of TCS Codevita 2015 and ranked 590 in Round-2 of TCS Codevita 2014

References

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