

Research Areas: Social Network Analysis, Data Mining, Natural Language Processing, Graph Mining, Web Social Media.

EDUCATION

Indraprastha Institute of Information Technology <i>Ph.D. in Computer Science and Engineering</i>	New Delhi, India <i>July. 2017 – Present</i>
National Institute of Technology, Durgapur <i>Master of Technology in Computer Science and Engineering; GPA: 9.15</i>	West Bengal, India <i>May. 2015 – May. 2017</i>
Institute of Science and Technology, Gauhati University <i>Bachelor of Technology in Computer Science and Engineering; GPA: 9.17</i>	Assam, India <i>May. 2009 – May. 2013</i>

EXPERIENCE

Indian Institute of Technology, Guwahati <i>Assistant Project Engineer</i>	Assam, India <i>Aug. 2014 – Apr. 2015</i>
◦ TTS Systems: Developing Text-To-Speech systems for Assamese and Manipuri languages	

PAPERS UNDER REVIEW

([Conference](#) - [C], [Journal](#) - [J])

[J]: Udit Arora, **Hridoy Sankar Dutta**, Brihi Joshi, Aditya Chetan, Tanmoy Chakraborty. Analyzing and Detecting Collusive Users Involved in Blackmarket Retweeting Activities.

[C]: Deepak Thukral, **Hridoy Sankar Dutta**, Vikram Goyal, Tanmoy Chakraborty. Catch Me if You Can: Spotting Collusive Users Involved in Blackmarket Following Services.

[C]: Seongjae Choi, Kyeongpil Kang, Sungbok Shin, **Hridoy Sankar Dutta**, Tanmoy Chakraborty, Jaegul Choo and Noseong Park. Detecting Cyberattack Signals from Social Media via Label Propagation Filtering.

[J]: Partha Sarathi Paul, Bishakh Chandra Ghosh, **Hridoy Sankar Dutta**, Kingshuk De, Arka Prava Basu, Prithviraj Pramanik, Sujoy Saha, Sandip Chakraborty, Niloy Ganguly, Subrata Nandi. CRIMP: Here Crisis Mapping Goes Offline.

[C]: Joyita Chakraborty, Dinesh Pradhan, **Hridoy Sankar Dutta**, Subrata Nandi, and Tanmoy Chakraborty. On Good and Bad Intentions behind Anomalous Citation Patterns among Journals in Computer Sciences. arXiv preprint arXiv:1807.10804, 2018.

ACCEPTED / PUBLISHED PAPERS

(Type-A/A* conferences based on CORE ranking are highlighted in blue.)

[C]: **Hridoy Sankar Dutta**, Aditya Chetan, Brihi Joshi, Tanmoy Chakraborty. CoReRank: Ranking to Detect Users Involved in Blackmarket-based Collusive Retweeting Activities. *12th ACM International Conference on Web Search and Data Mining (WSDM)*, Melbourne, Australia, Feb 11-15, 2019. (Acceptance rate: 16%)

[C]: **Hridoy Sankar Dutta**, Aditya Chetan, Brihi Joshi, Tanmoy Chakraborty. Retweet Us, We Will Retweet You: Spotting Collusive Retweeters Involved in Blackmarket Services, *IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM)*, Barcelona, Spain, Aug 28-31, 2018. (Acceptance rate: 15%)

[C]: Partha Sarathi Paul, **Hridoy Sankar Dutta**, Bishakh Chandra Ghosh, Krishnandu Hazra, Sandip Chakraborty, Sujoy Saha, Subrata Nandi. Offline crisis mapping by opportunistic dissemination of crisis data after large-scale disasters, *2nd ACM SIGSPATIAL International Workshop on the Use of GIS in Emergency Management*, California, United States, Oct 31-Nov 3, 2016.

[C]: Sandip Chakraborty, Suchetana Chakraborty, Sushanta Karmakar, **Hridoy Sankar Dutta**. Hierarchical topology adaptation for distributed convergecast applications, In *29th Annual ACM Symposium on Applied Computing*, Gyeongju, Korea, March 24-28, 2014.

SELECTED PROJECTS

All projects are available on git : <https://www.github.com/hridaydutta123>

[P₁]: **Collusive User Detection Tool**: A tool for detection of collusive users in Online Social Networks.

[P₂]: **Awesome Twitter Tools**: A curated list of tools, datasets, research papers and browser extensions related to Twitter.

[P₃]: **Opportunistic Network for Android Application**: Implementation of Communication Medium for Challenge Network Scenario.

[P₄]: **Offline Master Control Station**: Implementation of reliable and effective data transfer from opportunistic network and tool for analyzing behaviour of data captured in Opportunistic Networks.

[P₅]: **Designing TTS System in Assamese and Manipuri Languages**: It involves building systems for synthesizing natural speech in native Assamese and Manipuri tone from a given text and building user friendly GUIs for the common people.

[P₆]: **MapDisarm**: Offline efficient transfer of OSM Map tiles among various devices without internet connectivity for gps based recovery in Opportunistic network.

ACHIEVEMENTS AND AWARDS

[A₁]: Awarded Student Travel Grant to attend CODS COMAD 2019.

[A₂]: Grand Challenge Grade **A** winner where smart & embedded device innovators around the world vied for the top spot. Organised by International Symposium Embedded Devices, 2016 at IIT Patna.

[A₃]: Came **1st Runners Up** in Startup Weekend, Kolkata (5-7th August, 2016).

[A₄]: Media Coverage of our Group in a local daily: *Aamarkatha*

[A₅]: Won **3rd Prize in Coding Competition** at Techniche 2012 (IIT Guwahati Technical Fest Coding Event).

[A₆]: Attended NASSCOM Product Conclave-2016 as Student Researcher of ForkIT

[A₇]: Rank of **3** in Master Of Technology.

[A₈]: Secured 10/10 SGPA in M.Tech(3rd & 4th Semester)

[A₉]: Secured 10/10 SGPA in B.Tech(6th, 7th & 8th Semester)

[A₁₀]: GATE Qualified (2016) **Gate Score : 488 (Rank: 4370)**

[A₁₁]: GATE Qualified (2015) **Gate Score : 441 (Rank: 6675)**

[A₁₂]: Passed A level examination of National Cadet Corps (NCC)

EVENTS & WORKSHOPS ATTENDED

[E₁]: Amazon Research Days, Bangalore (2018)

[E₂]: Young Scientist Conference at India International Science Festival (2018)

[E₃]: Workshop on Complex and Social Networks, IIT Kharagpur (2017)

[E₄]: NASSCOM Product Conclave, Bangalore (2016)

TECHNICAL SKILLS

Strongest Areas - Social Network Analysis, Natural Language Processing, Data Mining, Machine Learning, Data Structures & Algorithms, Web Technology, System Programming

Languages - Python, Java, PHP, C++, UNIX Shell, HTML, CSS, JS, Ajax, Perl

Frameworks - Twitter API Clients, NLTK, Sklearn, Gensim, Django, Flask, Phonegap

Tools - Git, Android Studio, Adobe Photoshop, JUnit, L^AT_EX

Databases - MySQL, SQLite, MongoDB

REFERENCES

Dr. Tanmoy Chakraborty <tanmoy@iiitd.ac.in>, Asst. Professor, Dept. of CSE, IIIT Delhi

Dr. Sandip Chakraborty <sandipc@cse.iitkgp.ac.in>, Asst. Professor, Dept. of CSE, IIT Kharagpur

Dr. Subrata Nandi <subrata.nandi@cse.nitdgp.ac.in>, Assoc. Professor, Dept. of CSE, NIT Durgapur

Dr. Bibhash Sen <bibhash.sen@cse.nitdgp.ac.in>, Assoc. Professor, Dept. of CSE, NIT Durgapur