Hridoy Sankar Dutta

http://hridaydutta123.github.io

Email : hridaydutta123@gmail.com

Mobile : +91-86381-89794

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

EDUCATION

Indraprastha Institute of Information Technology   New Delhi, India
Ph.D. in Computer Science and Engineering   *July. 2017 – Present*

National Institute of Technology, Durgapur   West Bengal, India
Master of Technology in Computer Science and Engineering; GPA: 9.15   *May. 2015 – May. 2017*

Institute of Science and Technology, Gauhati University   Assam, India
Bachelor of Technology in Computer Science and Engineering; GPA: 9.17   *May. 2009 – May. 2013*

EXPERIENCE

Indian Institute of Technology, Guwahati   Assam, India
Assistant Project Engineer   *Aug. 2014 – Apr. 2015*
- **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

[P_1]: **Collusive User Detection Tool**:A tool for detection of collusive users in Online Social Networks.

[P_2]: **Awesome Twitter Tools**: A curated list of tools, datasets, research papers and browser extensions related to Twitter.

[P_3]: **Opportunistic Network for Android Application**: Implementation of Communication Medium for Challenge Network Scenario.

[P_4]: **Offline Master Control Station**:Implementation of reliable and effective data transfer from oppurtunistic network and tool for analyzing behaviour of data captured in Oppurtunistic Networks.

[P_5]: **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.

[P_6]: **MapDisarm**:Offline efficient transfer of OSM Map tiles among various devices without internet connectivity for gps based recovery in Oppurtunistic network.

Achievements and Awards

[A_1]: Awarded Student Travel Grant to attend CODS COMAD 2019.

[A_2]: 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.

[A_3]: Came **1st Runners Up** in Startup Weekend, Kolkata (5-7th August, 2016).

[A_4]: Media Coverage of our Group in a local daily:*Aamarkatha*

[A_5]: Won **3rd Prize in Coding Competition** at Techniche 2012 (IIT Guwahati Technical Fest Coding Event).

[A_6]: Attended NASSCOM Product Conclave-2016 as Student Researcher of ForkIT

[A_7]: Rank of **3** in Master Of Technology.

[A_8]: Secured 10/10 SGPA in M.Tech(3rd & 4th Semester)

[A_9]: Secured 10/10 SGPA in B.Tech(6th,7th & 8th Semester)

[A_{10}]: GATE Qualified (2016) **Gate Score : 488 (Rank: 4370)**

[A_{11}]: GATE Qualified (2015) **Gate Score : 441 (Rank: 6675)**

[A_{12}]: Passed A level examination of National Cadet Crops (NCC)

Events & Workshops Attended

[E_1]: Amazon Research Days, Bangalore (2018)

[E_2]: Young Scientist Conference at India International Science Festival (2018)

[E_3]: Workshop on Complex and Social Networks, IIT Kharagpur (2017)

[E_4]: 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, LaTeX
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