



Hriday Sankar Dutta

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LINKS

Website: <https://hridaydutta123.github.io>
Github: <https://github.com/hridaydutta123/>
DBLP: http://dblp.uni-trier.de/pers/hd/d/Dutta:Hriday_Sankar
Google Scholar: <https://scholar.google.co.in/citations?user=4UrQjwUAAAAJ&hl=en>
Hackerearth: <https://www.hackerearth.com/@hridaydutta123>
LinkedIn: <https://www.linkedin.com/in/hriday-sankar-dutta-18448a63/?ppe=1>

EDUCATION

PhD in Computer Science and Engineering 2017 - Present
Indraprastha Institute of Information Technology Delhi (IIIT-D), India
• Supervisor: Dr. Tanmoy Chakraborty, Assistant Professor & Ramanujan Fellow, Indraprastha Institute of Information Technology Delhi (IIIT-D), India

M.Tech in Computer Science and Engineering 2015 - 2017
National Institute of Technology Durgapur, West Bengal, India
• CGPA of **9.15**/10 (May 2017)

B.Tech in Computer Science and Engineering 2009 - 2013
Institute of Science and Technology, Gauhati University, Assam, India
• CGPA of **9.17**/10 (May 2013)

High School - Shrimanta Shankar Academy, Guwahati (CBSE) - **82.80%** 2007 - 2009
Secondary School - Hindustani Kendriya Vidyalaya (CBSE) - **81.00%** 2000 - 2007

JOB EXPERIENCE

Assistant Project Engineer, IIT Guwahati Aug, 2014 - Apr, 2015
Developing Text to Speech System in Assamese Language Phase II.

OTHER EXPERIENCES

Student Researcher, ForkIT
Mentored by Dr. Subrata Nandi, Dept. of CSE, NIT Durgapur & Dr. Sujoy Saha, Dept. of CSE, NIT Durgapur May, 2016 - June, 2017
An End-to-end system to generate Offline Crisis maps

Summer Research Intern in DISARM Group, NIT Durgapur
Mentored by Dr. Subrata Nandi, Dept. of CSE, NIT Durgapur May, 2016 - July, 2016
Developed web application Admin Dashboard for Master Control Station at the time of disaster. Django, a python web framework was used to develop the application.

Winter Research Intern in DISARM Group, NIT Durgapur
Mentored by Dr. Subrata Nandi, Dept. of CSE, NIT Durgapur Dec, 2015 - Jan, 2016
Developed an Opportunistic Network for Android Application.

Project Intern, IIT Guwahati
Mentored by Dr. Sushanta Karmakar, Dept. of CSE, IIT Guwahati Jan, 2013 - June, 2013
Worked on the Research Topic "Hierarchical topology adaptation for distributed convergecast applications"

Summer Trainee, NEEPCO
Mentored by Subhash Kalita, Manager(System) June, 2012 - July, 2012
Developed a e-File Sharing System among the users of the organization. PHP language was used to develop the application.

Summer Trainee, AMTRON
Mentored by SD & P Divn., AEDC Ltd.
MS Access Form Management.

June, 2011 - July, 2011

TECHNICAL
SKILLS

Strongest Areas - Data Structures, Databases, Algorithms, Web Technology
Languages - Java, Python, PHP, C++, UNIX Shell, HTML, CSS, JS, Ajax, Perl, Responsive Design
Frameworks - Django, Flask, Phonegap
Tools - Git, Android Studio, Adobe Photoshop, JUnit, L^AT_EX
Databases - MySQL, SQLite

PUBLICATIONS

- 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", Proceedings of the Second ACM SIGSPATIAL International Workshop on the Use of GIS in Emergency Management.
- Sandip Chakraborty, Suchetana Chakraborty, Sushanta Karmakar, **Hridoy Sankar Dutta**, "Hierarchical topology adaptation for distributed convergecast applications", Proceedings of the 29th Annual ACM Symposium on Applied Computing.

CERTIFIED
COURSES

- **JAVA** Programming Course at InfoConnect Solutions

Aug, 2011 - Feb, 2012

SELECTED
PROJECTS

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

- **Opportunistic Network for Android Application** - Implementation of Communication Medium for Challenge Network Scenario. Opportunistic network offers many appealing application perspectives from local social-networking applications to supporting communications in remote areas or in disaster and emergency situations. Communication medium will automatically work as hotspot or wifi mode depending upon the environmental scenario.
- **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.
- **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.
- **MapDisarm** - Offline efficient transfer of OSM Map tiles among various devices without internet connectivity for gps based recovery in Opportunistic network.
- **e-File Sharing System** - Complete file management system for NEEPCO organization.

ACHIEVEMENTS
AND AWARDS

- 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.
- Came **1st Runners Up** in Startup Weekend, Kolkata (5-7th August, 2016).
- Media Coverage of our Group in a local daily: <http://aamarkatha.com/?p=1121#.WMzJSszEghE.whatsapp>
- Won **3rd Prize in Coding Competition** at Techniche 2012 (IIT Guwahati Technical Fest Coding Event).
- Attended NASSCOM Product Conclave-2016 as Student Researcher of ForkIT
- Rank of **3** in Master Of Technology.
- Rank of **7** in Bachelor Of Technology.
- Secured 10/10 SGPA in M.Tech(3rd & 4th Semester)
- Secured 10/10 SGPA in B.Tech(6th,7th & 8th Semester)

- GATE Qualified (2016) **Gate Score : 488 (AIR 4370)**
- GATE Qualified (2015) **Gate Score : 441 (AIR 6675)**
- Recipient of GATE Scholarship (2014) **Gate Score : 582 (AIR 2139)**
- Passed A level examination of National Cadet Crops (NCC).
- Winner of Counter Strike Gaming Competition at Technoshine 2015, Technoshine 2016, Aarohan 2017 and Rectasy 2017 held at NIT Durgapur.

EVENTS & WORKSHOPS ATTENDED

- Workshop on Complex and Social Networks, IIT Kharagpur (2017)
- NASSCOM Product Conclave, Bangalore (2016)

HOBBIES

Handling Systems, Trying Open-Source Softwares

MORE

Please visit <https://hridaydutta123.github.io>