

# Hridoy Sankar Dutta

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EDUCATION	<b>M.Tech in Computer Science and Engineering</b> National Institute of Technology Durgapur, West Bengal, India <ul style="list-style-type: none"><li>CGPA of <b>8.95</b>/10 (Dec 2016)</li></ul>	2015 - 2017
	<b>B.Tech in Computer Science and Engineering</b> Institute of Science and Technology, Gauhati University, Assam, India <ul style="list-style-type: none"><li>CGPA of <b>9.17</b>/10 (May 2013)</li></ul>	2009 - 2013
	<b>High School</b> - Shrimanta Shankar Academy, Guwahati (CBSE) - <b>82.80%</b>	2007 - 2009
	<b>Secondary School</b> - Hindustani Kendriya Vidyalaya (CBSE) - <b>81.00%</b>	2000 - 2007
JOB EXPERIENCE	<b>Assistant Project Engineer, IIT Guwahati</b> Developing Text to Speech System in Assamese Language Phase II.	Aug, 2014 - Apr, 2015
OTHER EXPERIENCES	<b>Summer Research Intern in DISARM Group, NIT Durgapur</b> <i>Mentored by Dr. Subrata Nandi, Dept. of CSE, NIT Durgapur</i> 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.	May, 2016 - July, 2016
	<b>Winter Research Intern in DISARM Group, NIT Durgapur</b> <i>Mentored by Dr. Subrata Nandi, Dept. of CSE, NIT Durgapur</i> Developed an Opportunistic Network for Android Application.	Dec, 2015 - Jan, 2016
	<b>Project Intern, IIT Guwahati</b> <i>Mentored by Dr. Sushanta Karmakar, Dept. of CSE, IIT Guwahati</i> Worked on the Research Topic "Hierarchical topology adaptation for distributed convergecast applications"	Jan, 2013 - June, 2013
	<b>Summer Trainee, NEEPCO</b> <i>Mentored by Subhash Kalita, Manager(System)</i> Developed a e-File Sharing System among the users of the organization. PHP language was used to develop the application.	June, 2012 - July, 2012
	<b>Summer Trainee, AMTRON</b> <i>Mentored by SD &amp; P Divn., AEDC Ltd.</i> MS Access Form Management.	June, 2011 - July, 2011
TECHNICAL SKILLS	<b>Strongest Areas</b> - Data Structures, Databases, Algorithms, Web Technology <b>Languages</b> - Java, Python, PHP, C++, UNIX Shell, HTML, CSS, JS, Ajax, Perl, Responsive Design <b>Frameworks</b> - Django, Flask, Phonegap <b>Tools</b> - Git, Android Studio, Adobe Photoshop, JUnit, L <sup>A</sup> T <sub>E</sub> X <b>Databases</b> - MySQL, SQLite	
PUBLICATIONS	<ul style="list-style-type: none"><li>Partha Sarathi Paul, <b>Hridoy Sankar Dutta</b>, 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.</li><li>Sandip Chakraborty, Suchetana Chakraborty, Sushanta Karmakar, <b>Hridoy Sankar Dutta</b>, "Hierarchical topology adaptation for distributed convergecast applications", Proceedings of the 29th Annual ACM Symposium on Applied Computing.</li></ul>	

RELEVANT COURSES	<p>Data Structures and Algorithms, Operating System, Unix Programming, Computer Networks, Databases, Automata Theory, Software Engineering</p> <ul style="list-style-type: none"> <li>• <b>JAVA Programming Course, InfoConnect</b></li> </ul>	Aug, 2011 - Feb, 2012
SELECTED PROJECTS	<p>All projects available on git : <a href="https://www.github.com/hridaydutta123">https://www.github.com/hridaydutta123</a></p> <ul style="list-style-type: none"> <li>• <b>Opportunistic Network for Android Application</b> - 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.</li> <li>• <b>Offline Master Control Station</b> - Implementation of reliable and effective data transfer from opportunistic network and tool for analyzing behaviour of data captured in Opportunistic Networks.</li> <li>• <b>Designing TTS System in Assamese and Manipuri Languages</b> - 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.</li> <li>• <b>MapDisarm</b> - Offline efficient transfer of OSM Map tiles among various devices without internet connectivity for gps based recovery in Opportunistic network.</li> <li>• <b>e-File Sharing System</b> - Complete file management system for NEEPCO organization.</li> </ul>	
ACHIEVEMENTS AND AWARDS	<ul style="list-style-type: none"> <li>• Grand Challenge Grade <b>A</b> winner where smart &amp; embedded device innovators around the world vied for the top spot. Organised by International Symposium Embedded Devices, 2016 at IIT Patna.</li> <li>• Came <b>1st Runners Up</b> in Startup Weekend, Kolkata (5-7th August, 2016).</li> <li>• Media Coverage of our Group in a local daily: <a href="http://aamarkatha.com/?p=1121#.WMzJSszEghE">http://aamarkatha.com/?p=1121#.WMzJSszEghE</a>.whatsapp</li> <li>• Won <b>3rd Prize in Coding Competition</b> at Techniche 2012 ( IIT Guwahati Technical Fest Coding Event ).</li> <li>• University Rank of <b>7</b> in Bachelor Of Technology.</li> <li>• GATE Qualified (2016) <b>Gate Score : 488 ( AIR 4370 )</b></li> <li>• GATE Qualified (2015) <b>Gate Score : 441 ( AIR 6675 )</b></li> <li>• Recipient of GATE Scholarship (2014) <b>Gate Score : 582 ( AIR 2139 )</b></li> <li>• Passed A level examination of National Cadet Corps (NCC).</li> <li>• Winner of Counter Strike Gaming Competition at Technoshine 2015, Technoshine 2016, Aarohan 2017 and Rectasy 2017 held at NIT Durgapur.</li> </ul>	
HOBBIES	Handling Systems, Trying Open-Source Softwares	
MORE	Please visit <a href="https://hridaydutta123.github.io">https://hridaydutta123.github.io</a>	