

Swadhin Pradhan

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RESEARCH INTERESTS	Mobile Computing, Networks.	
EDUCATION	<i>Indian Institute of Technology Kharagpur</i> , WB, India. 2012 - 2014(Expected) <ul style="list-style-type: none">• M.S. (by Research) in Computer Science & Engineering• CGPA: 9.87/10 (up to First Year Final Semester)• Advisor: Dr. Niloy Ganguly	
	<i>Jadavpur University</i> , Kolkata, WB, India. 2007 - 2011 <ul style="list-style-type: none">• B.E.(Honors) in Information Technology• CGPA: 9.45/10	
	<i>Jodhpur Park Boys' School</i> , Kolkata, WB, India. 2007 <ul style="list-style-type: none">• Higher Secondary Examination (std. XII) (W.B.C.H.S.E.)• Aggregate: 85.4%	
	<i>Baita M.N. High School</i> , Paschim Medinipur, WB, India. 2005 <ul style="list-style-type: none">• Secondary Examination (std. X) (W.B.B.S.E.)• Aggregate: 93.13%	
PUBLICATIONS	<p>[1] Sourav Kumar Dandapat, Swadhin Pradhan, Niloy Ganguly, and Romit Roy Choudhury, “Sprinkler : Distributed content storage for just-in-time streaming”, ACM Cellnet workshop co-located with MobiSys, June 2013, Taipei, Taiwan.</p> <p>[2] Sourav Kumar Dandapat, Swadhin Pradhan, and Niloy Ganguly, “Offloading Cellular Traffic”, I-CARE Conference, Organised by IBM Research-India, October 2013, New Delhi, India.</p> <p>[3] Swadhin Pradhan, Ananth Balashankar, Niloy Ganguly, and Bivas Mitra, “(Stable) Virtual Landmarks : Spatial Dropbox to enhance Retail Experience”, (<i>Communicated to COMSNETS 2014</i>).</p> <p>[4] Sourav Kumar Dandapat, Swadhin Pradhan, Romit Roy Choudhury, Niloy Ganguly, and Bivas Mitra, “ActivPass: Your Daily Activity is Your Password”, (<i>Communicated to INFOCOM 2014</i>).</p> <p>[5] Swadhin Pradhan, Sourav Kumar Dandapat, Romit Roy Choudhury, Niloy Ganguly, and Bivas Mitra, “SocioSecure: Security through Private Social Activity”, (<i>Communicated</i>).</p>	
ACADEMIC ACCOLADES	<ul style="list-style-type: none">• Received University Gold Medal for ranking 1st in B.E. (Information Technology), Jadavpur University.• GATE Qualified (2011) with rank of 1340 and GATE score of 652.• Ranked 692 in W.B.J.E.E.• District Topper in Secondary Examination, 2005 and ranked 39 in WB, India.	

ORGANISATION EXPERIENCE	<p>Software Engineer(E3), <i>Interra Systems India Pvt. Ltd.</i>, Kolkata, WB, India, May 2011 - January 2012.</p> <ul style="list-style-type: none"> • Successfully built an XML parser for a data format converter named OVC. • Built a front-end and command parser of a GUI viewer tool named Mirus3G.
ACADEMIC PROJECTS UNDERTAKEN	<p>Title : Developed a simple tweet classification framework at TwitMiner '13, IISC. Duration : March '13 - April '13.</p> <p>Title : Developed a browser plug-in for Search Trail Suggestion at Yahoo Hack U '13. Duration : March '13.</p> <p>Title : Analysing the impact of group performance in Test Cricket (Term Project). Duration : February '13 - April '13.</p> <p>Title : Setting up Low Cost GSM Network (B.E. Final Year Project). Supervisor : Prof. Uttam Kumar Roy, Jadavpur University. Duration : July '10 - March '11.</p> <p>Title : Exploring the feasibility of NS2 for simulating a heterogeneous network. Supervisor : Prof. Arobinda Gupta, IIT Kharagpur. Duration : May '10 - July '10.</p> <p>Title : High level Compiler Optimization for Reducing Cache Miss (Term Project). Duration : March '09 - April '09.</p>
INTERNSHIPS	<p>Organisation : Interra Systems India Pvt. Ltd., Kolkata, September '10 - March '11. Key Learnings : Rendered support in developing the Interra Template Library(ITL).</p> <p>Organisation : Interra Systems India Pvt. Ltd., Kolkata, June '09 - August '09. Key Learnings : Gained exposure in making a SWIG interface for Python.</p>
TEACHING ASSISTANTSHIPS	<p>Programming and Data Structure Lab (CS19001), Distributed Systems (CS60002), Discrete Structures (CS21001).</p>
IT SKILLS	<p>Programming Languages : C, Java, Python, C ++, C#.</p> <p>Scripts : Bash Shell, C Shell, Awk, Sed, Perl.</p> <p>Tools Extensively Used : Eclipse IDE, GDB, MATLAB, MySQL, NS3, L^AT_EX.</p> <p>Other Tools : Weka, Doxygen, SWIG, BoUML, Pajek, NS2, Flex, Bison.</p> <p>Web Technologies : HTML, PHP, Javascript, CSS, XML, XQuery, Ajax, JSP.</p> <p>Operating Systems : Linux, Solaris, Windows, Android.</p> <p>Others : Android Programming, GTK Programming, Socket Programming.</p>
EXTRAMURAL ENGAGEMENTS	<ul style="list-style-type: none"> • Served as a hall coordinator in Student Welfare Group (2012-13) , IIT Kharagpur. • Successfully organised Srijan '10, Annual Techfest of Jadavpur University. • Served as a volunteer in Teach India '09 and taught underprivileged children for twelve weeks in an NGO at Kolkata, WB, India. • Ranked 2nd in a Robotics event of Srijan '09, Annual Techfest of Jadavpur University.