

AMIT KUMAR SAHA

CONTACT INFORMATION	Shivmandir, PO- Kadamtala Dt- Darjeeling West Bengal -734011, INDIA	<i>Phone:</i> (91) 9731966776 <i>E-mail:</i> amitsaha.in@gmail.com <i>WWW:</i> amitsaha.in.googlepages.com
DATE OF BIRTH	29th January, 1985	
FATHER'S NAME	Mr. Swapan Kr. Saha	
EDUCATION	Haldia Institute of Technology , West Bengal, INDIA B.Tech., Computer Science and Engineering, DGPA - 8.51/10, Graduated in June, 2008 Army School , Siliguri, West Bengal, INDIA Class XII, June 2003, Percentage of Marks - 89 Don Bosco School , Siliguri, West Bengal, INDIA Class X, June, 2001, Percentage of Marks - 89	
MAJOR INTERESTS	Artificial Intelligence- Commonsense Reasoning, Soft Computing- Fuzzy Logic and Genetic Algorithms and applications of Parallel Computing in Intelligent and Evolutionary Computing Systems	
INDUSTRIAL EXPERIENCE	<ul style="list-style-type: none">• Sun Microsystems, Inc., Bangalore, India. <i>Job Role:</i>Software Engineer in MySQL Engineering May, 2008 - Present<ul style="list-style-type: none">• Extensive experience in Quality Engineering practices of MySQL pluggable storage engines• Intermediate Knowledge of the MySQL server architecture subsystems and the source code layout• Acquainted with developing pluggable storage engines for MySQL• Contributor to MySQL Developer Center- http://dev.mysql.com	
RESEARCH EXPERIENCE	<ul style="list-style-type: none">• Prof. K.S.Ray, Natural Computing Lab, Electronics and Communications Sciences Unit (ECSU), Indian Statistical Institute, Kolkata, INDIA <i>Position held:</i>Research Trainee April ,2007- March, 2008<ul style="list-style-type: none">• Research work involved studies in Commonsense Reasoning.• I carried out a literature survey of Commonsense Reasoning,• I worked on some problems showing how Fuzzy Logic can be incorporated in a Default Reasoning System• Investigated applications of Default Logic to Occluded Scene Recognition	
TEACHING EXPERIENCE	<ul style="list-style-type: none">• Introduced programming in C to Bachelor of Technology (2009) students in Department of Biotechnology, Haldia Institute of Technology, Haldia during August, 2006 to September, 2006	
OPEN SOURCE AND COMMUNITY EFFORTS	<ul style="list-style-type: none">• Code committer to the NetBeans (http://www.netbeans.org) project. Active involvement in the Python support for NetBeans project. (http://wiki.netbeans.org/Python)	

- Contribution co-ordinator in the **NetBeans Community Docs** (<http://wiki.netbeans.org/CommunityD> project)
- Contributed to the **ODF Toolkit project** (<http://odftoolkit.openoffice.org/>)
- Leader of the **Bangalore Open Java Users Group** (<http://www.bojug.in>)
- Involved in the Open Source core committee in Sun Microsystems, India. One of the members in the managing committee of **Code For Freedom**, 2008-09 conducted by Sun Microsystems, India for students all over India
- Delivered talks on various technologies such as NetBeans and MySQL in educational institutions and user groups

TECHNICAL SKILLS

- **Operating Systems:** Proficient in working on Unix systems such as Linux and (Open)Solaris
- **Programming Languages:** Proficient in C, Java and Python. Some experience with Common Lisp, Scheme, Groovy and Perl
- **Web/Database Technologies:** Proficient in HTML, XML and SQL
- **Programming/Development Tools:** NetBeans, Unix project management tools such as 'autotools', 'make', etc
- Adept at Technical article writing, documentation, Version Control Systems- Mercurial, Subversion, Bazaar, experience working in Open Source projects and aware of the dynamics of the same
- **Miscellaneous skills:** Knowledge of LaTeX typesetting system, Experience working with DTrace, MPI and PVM parallel processing library, Javascript, J2ME, Linux Kernel Programming, Socket Programming (BSD Sockets), Network Security Concepts, BASH Scripting

PUBLICATIONS

- Amit Kumar Saha, "**Towards a user friendly Parallel Image Processing Framework**", Proceedings of the First International Conference on Information Systems and Technology, MES College of Engineering, Kerala, India, December 14-15, 2007. pp.133-136
- Amit Kumar Saha, Sk.Sahanwaj, "**Architecture of a Host Based Intrusion Detection and Prevention System**", First International Conference on Information Technology, Haldia Institute of Technology, West Bengal, India, March 18-20, 2007, pp 608- 611
- **Technical Publications** on Linux and Miscellaneous programming tools, technologies in online and print technical journals and magazines. (Linux Gazette, Linux For You, NetBeans Community Docs, etc). (Archived at <http://amitsaha.in.googlepages.com/writingsandtalks>)

ACADEMIC PROJECTS

- **Software RAID Tool for Linux :** In this project, I developed a Java based GUI tool for managing software RAID on Linux. The tool used 'mdadm' in its backend.
January, 2008- March, 2008
Skills acquired: Familiarity with Software RAID on Linux, and tools such as 'mdadm'
- **Review of Parallel Computing :** The main contribution of this project is that it helped me gain familiarity with message passing systems such as MPI and PVM which are tools for Parallel Computing. The project was carried out on a 4-6 node Linux cluster interconnected via Ethernet.
August, 2007- November, 2007
Skills acquired: Familiarity with MPI, PVM, Parallel Computing Techniques and Parallel Algorithms implementation issues, Applications of Parallel Computing in Image Processing- Trends, Limitations.
- **NetAdmin:** This is a windows based system administration tool developed as part of **Microsoft Academic Projects Program (MSAPP) - 2005** **December, 2005- January, 2006**

Technologies used for the project was Microsoft Dot Net Framework 1.0, C Sharp, XML

AWARDS AND ACHIEVEMENTS

- Awarded the Significant Contributor prize for contributing to NetBeans in the **Code For Freedom** contest- 2008
- Joint runners-up in GOSPEL (Technical Paper presentation) at Prayukti- 2008, Haldia Institute of Technology, Haldia
- Member of the winning team of Brainstorm (Quiz Contest) at Prayukti- 2008, Haldia Institute of Technology, Haldia
- Featured on Sun Developer Network, South Asia as the first active participant in Code For Freedom, 2008
- Qualified Graduate Aptitude Test in Engineering (GATE) - 2007 and 2008
- Selected for interview for IISC, Bangalore - KVPY programme, 2005
- Silver Merit Certificate winner in 1st and 2nd National Cyber Olympiad

ACTIVITIES AND INTERESTS

- Technical writer (online and print media) covering topics on programming, Open Source development, book reviews for publishers such as O'Reilly and Prentice Hall (India)
- NetBeans Community Docs Contribution Contributor & Coordinator (<http://www.netbeans.org>)
- Hobbies and interests include programming, Theoretical Computer Science, Number Theory, Science Fiction and teaching. Fluent in English, Hindi and Bengali
- Avid blogger on Unix, Open Source, Science and Mathematics (<http://amitksaha.blogspot.com>)

REFERENCES

- References will be provided on request