

Satabdi Das

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CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE

Mentor Graphics **Member of Consulting Staff** **December 2016 – Present**

- Veloce Emulator Platform
 - Improved the run time performance of the scheduler ranging from 10%-30%.
 - Designed and developed critical features and redesigned the core algorithm of the critical path finder tool.
 - Improved unit test coverage and started introducing modern C++ code.
 - Organized lunch and learn sessions on topics in modern C++.

Mentor Graphics **Member of Consulting Staff** **April 2013 – July 2016**

- Veloce Prototyping System
 - Designed and developed the logging system.
 - Implemented robust object oriented components.
 - Organized tech-talks to share and enhance technical knowledge and promote best programming practices and was a member of all-India technical council in the company.
- Questa Static
 - Developed new components and improved the existing features.
 - Improved the run-time performance by as much as 6x in critical customer issues.
 - Re-factored and improved quality of the code which in turn gave performance gain in memory.

Gnome Foundation **Programming Intern** **January 2013 – April 2013**

- Designed and developed GeoIP and WiFi based geo-location server and client libraries for Gnome from scratch. This library later became part of GeoClue which provides location information. The source code is at <http://git.gnome.org/browse/geocode-glib>

Mirafr Technologies **Senior Software Engineer** **October 2008 – January 2010**

- Developed various components in the parser and elaborator of a fast spice simulator.
- Automated the regression set up of the product Cooogate from Pwrlite Inc.

Interra Systems **Senior Member of Technical Staff** **June 2006 – September 2008**

- Improved syntactic and semantic checking of an object-oriented parser and analyzer. Worked on performance improvement of the analyzer.
- Developed a part of an efficient object-oriented data converter called area-generator.

Wipro Technologies **Software Engineer** **August 2005 – May 2006**

- Developed a web application using JAVA/J2EE, Struts framework.

TECHNICAL SKILLS

C, C++ using object-oriented programming concepts
Operational knowledge of Perl, Python, Go and Shell scripting

EDUCATION

Recurse Center, New York **August 2016 – November 2016**
Explored low level systems programming and distributed systems during the batch.
Jadavpur University, India **2005**

B.E in Computer Science and Engineering

(77%, First Class with Honours)

ACHIEVEMENTS

- Selected in the Gnome-led Outreach Program for Women in 2013 <https://wiki.gnome.org/OutreachProgramForWomen/2013/JanuaryApril/Accomplishments>
- Awarded Interra Team Performance Award-2007 for significant contribution to the project in Interra Systems

PROJECTS

- Developed an object-oriented preprocessor used in combinatorial auction, an e-commerce application project under the guidance of Merlin Nandy, doctoral candidate, Management Information Systems, IIM Calcutta, and supervised by Prof. Ambuj Mohanti, Management Information Systems, IIM Calcutta.
- Worked on Voice over Local Area Network (LAN) project under the guidance of Prof. Atal Chaudhuri, Jadavpur University.

INTERESTS

- Co-founded Boston Hack && Tell meetup for programmers.
- Co-organized resume camp and career camp for women in the software industry in India.
- Co-organized C++11 meetups in Delhi NCR.
- Tinkers with wearable electronics and Arduino.