

# Arindam Sharma

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## Education

Year	Degree / Certificate	University / School	Marks
2010	Dual Degree, <i>Computer Science and Engineering</i>	IIT Kharagpur	8.01/10
2005	12 <sup>th</sup> : Indian School Certificate	Don Bosco School, Kolkata	95.80%
2003	10 <sup>th</sup> : Indian Certificate of Secondary Education	Don Bosco School, Kolkata	95.75%

## Academic Achievements

- Secured **99.43 percentile (AIR 239)** in **GATE 2009**.
- Secured **AIR 507** in mains examination of the **IITJEE 2005** out of around 250,000 students.
- Shortlisted for admission in B.Stat.(2005) in ISI, Kolkata.

## Work Experience

**Chromium Inc., Google** *May 2009 to August 2009*  
Implemented SOCKS v4/v5 proxy support in Google Chrome for Google Summer of Code 2009.

**Google R&D, Bangalore** *May 2008 to July 2008*  
Implemented the first prototype of the Google Reader gadget for Google Desktop, handling all user actions and written completely in Javascript and XML.

**Capillary Inc., Kharagpur** *February 2009 to May 2009*  
Worked part-time on development of various applications and system setup in Capillary Inc., [www.capillary.co.in](http://www.capillary.co.in), a startup dealing with mobile based customer management solutions.

**Minekey Inc., Kharagpur** *May 2007 to January 2009*  
Worked part-time on development of the Minekey recommendation widget and the Minekey opinion sharing application available at [www.minekey.com](http://www.minekey.com).

## Academic Projects

**Instructor:** *Prof. Arobinda Gupta*  
Working on implementing efficient packet broadcasting over a Delay Tolerant Network where contact probability information is partially present.

**Instructor:** *Prof. Rajib Mall*  
Implemented Java byte code and source code instrumentation for specialized test coverages giving importance to inheritance and polymorphism.

**Instructor:** *Prof. Niloy Ganguly*  
Developed a Peer-to-peer proxy server with connection pooling and distributed caching as a part of the "Complex Networks" course.

**Instructor:** *Prof. Arobinda Gupta*  
Surveyed the problems in and applications of the study of Hypergraphs as a term paper in the course "Advanced Graph Theory".

**Instructor:** *Prof. Pabitra Mitra*  
Partly implemented a SQL to XSLT query converter to extract equivalent data from a XML document as a term paper in the "Database Management Systems" course.

**Instructor:** *Prof. Anupam Basu*  
Developed a simulated scheduler and using it profiled various scheduling algorithms. Also analyzed performances based on it as part of course requirements in the "Operating Systems" course.

**Instructor:** *Prof. Niloy Ganguly*  
Constructed a compiler using YACC and LEX to generate 3-address and assembly language from a subset of the C language, as a course requirement in the "Compiler Construction" course.

**Instructor:** *Prof. Dipanwita Roy Chowdhury*  
Designed a synthesizable 16-bit CPU core using the Verilog HDL, as a course requirement in the "Computer Architecture" course.

## Computer Skills

**Programming:** C++, Java, C#, PHP, Bash, ECMAScript, Erlang

**Systems:** Apache, MySQL, Lucene

**Designing:** Adobe Photoshop, The Gimp, Adobe Flash, OpenGL, L<sup>A</sup>T<sub>E</sub>X

**Source Control:** Subversion, Git, Perforce

**Operating Systems:** GNU/Linux, Windows

## Extra Curricular Activities

- Senior member of the **Kharagpur Linux Users Group(K.L.U.G.)**.
- Won Gold in **inter hall water polo** competition for the consecutive last two years.
- Member of the **Systems and Web team** for Bitwise 2009, an annual online programming contest organized every year by the CSE Department, IIT Kharagpur.
- Silver(2007) and Bronze(2008) in **inter hall Open Soft** competition.
- Participated in **inter hall dramatics** for the last three years.
- Won the **District Level Educational Software** design competition organized by BITM, Kolkata.
- **Core member** in the organization of Bosco Fest, the annual School Fest, for the year 2004.
- Won many awards related to computer events in school fests during the period 2003-2004.