

Arindam Sharma

- CONTACT INFORMATION Patel Hall A-206 *Mobile: (+91)9733503807*
Department of Computer Science and Engineering
Indian Institute of Technology *E-mail: arindam.sharma@gmail.com*
Kharagpur, India -721302 <http://sites.google.com/site/arindamsharma>
- RESEARCH INTERESTS Graph Algorithms
Distributed Systems
Information Retrieval
Computer Networking
Operating Systems
Database Management Systems
- EXPERIENCE **Google R&D**, Bangalore, India.
Mentor: Mr. Vishwajith Krishnamurthy **May 2008 - July 2008**
Implemented a **Google Desktop Gadget** for a Google web application with all user actions and user interface, completely in Javascript using the **Google Desktop Gadget API**. Also acquired first hand experience of **distributed systems** and tools like **map-reduce**, **protocol buffers**, etc.
- IIT Kharagpur**, Kharagpur, India
Instructor: Dr. S. Sarkar **June 2007 - present**
Working part time in **Minkey Inc.**, a Sunnyvale CA based **startup**, as a Student Researcher working from IIT Kharagpur. Have worked on frontend and backend design and as a primary developer of the **Minekey recommendation widget**. Currently working on **Information Extraction, Database Management and Opinion mining**.
- Instructor: Dr. R. Mall* **January 2008 - Present**
Working on **Java** Byte Code and Source Code **Instrumentation** for specialized test coverages with respect to **Inheritance and Polymorphism**.
- Instructor: Dr. A. Sarkar* **November 2008 - Present**
Working on an alternative for **S.L.A.M.(Simultaneous Localization and Mapping)** for Unmanned Aerial Vehicles in a research project funded by EADS.
- Instructor: Dr. A. Sarkar* **October 2007 - December 2007**
Worked on an Algorithm to **segment and classify** agricultural crop data from **hyper-spectral satellite images**.
- Instructor: Dr. A. Basu* **August 2007 - November 2007**
Created a prototype shell and using it profiled various scheduling algorithm performances based on it as part of course requirements in the "Operating Systems" course.
- Instructor: Dr. D. RoyChowdhury* **January 2006 - June 2007**
Designed a 16 bit CPU in Verilog HDL as part of course requirements in the "Computer Organization and Architecture" course.
- Instructor: Dr. N. Ganguly* **August 2007 - November 2007**
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.

EDUCATION **Indian Institute of Technology, Kharagpur, India**

Dual Degree (B.Tech + M.Tech) in Computer Science and Engineering, July 2005

- Current CGPA: **8.08/10 (3.23/4)** (*as after the 7th semester*)
- Faculty Advisor: Dr. Sudeshna Sarkar

Relevant Courses Covered —

Design and Analysis of Algorithms	Advanced Graph Theory
Advances in Algorithms	Distributed Systems
Programming and Data Structures	Computer Networking
Operating Systems	Database Management Systems
Artificial Intelligence	Natural Language Processing
Image Processing	Computer Graphics
Complex Networks	Compiler Construction
Computer Organization and Architecture	Discrete Mathematics
Formal Languages and Automata Theory	Basic Electronics
Probability and Statistics	Switching Circuits and Logic Design

Don Bosco School, Park Circus, Kolkata, India

Higher Secondary Level

- Board: Council for the Indian School Certificate Examinations (ISC)
- Year of Passing: **2005**
- Percentage: **95.75%** (Within top 0.2%)

Secondary Level

- Board: Council for the Indian School Certificate Examinations (ICSE)
- Year of Passing: **2003**
- Percentage: **95.8%** (Within top 0.1%)

COMPUTER SKILLS

Programming Languages: C++, **Java**, **PHP**, Python, C#, Bash, **Javascript**

Web Designing: **HTML**, **CSS**, Javascript

Hardware: Icarus Verilog, MIPS and x86 assembly

Query Languages: **SQL**, XSLT, XQuery, XML, Lucene

Designing: The Gimp, **Adobe Flash/Flex**, Windows GUI, **Adobe Photoshop**, OpenGL toolkit

Source Control: Subversion, CVS

Expertise in the **GNU/Linux Operating System**

EXTRA CURRICULARS

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.

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.