

Sanjoy Das

Current Address

A1 103 LLR Hall of Residence,
Indian Institute of Technology, Kharagpur,
West Bengal 721 302.
India
(+91) 9775552117

Permanent Address

53/11, Rajpur Road [Near Vishnu Stores],
Dehradun, Uttarakhand 248001.
India
(+91) 0135 271 2439

sanjoy@playingwithpointers.com

<http://playingwithpointers.com>

Education

Currently Pursuing an integrated¹ M.S. in Mathematics and Computing in the Indian Institute of Technology, Kharagpur.
Expected Graduation Year 2013.
Current Cumulative GPA 8.17 (on a scale of 10).

Skill-Set

C, C ++, Java and C#

- Strong C / C++ programmer. Experience working with the Standard Template Library and iostreams. GUI Development with Qt and GTK.
- Building desktop applications using Java (and Swing).
- Decent knowledge of C#.

Python, PHP, GWT and SQL

- Broad exposure to coding in Python and use of the Django web framework in implementing web-based solutions.
- Basic concepts of PHP and SQL (MySQL specifically). Experience in working with relational databases (using Django). Thorough exposure to working with SQLite on the Android platform.
- General idea of using the Google Web Toolkit mainly through reading and trying out examples from the book “GWT In Action” by Robert Hanson and Adam Tacy.

Platforms

- Software development on the Android platform².
- Sound know-how of programming GNU/Linux systems (shell scripting, system programming). Basic idea of the Linux kernel (writing and compiling modules, paging, scheduling etc.).
- Exposure to using the GNU auto-tools to automate source-code distribution and building.
- Use of Berkeley Sockets in implementing simple client server systems.
- Programming micro-controllers (notable the ATMEGA32) in C to implement basic autonomous systems (sensor based line followers, obstacle avoiders and the like).

Software

Operating Systems

- Debian GNU/Linux, Arch Linux, openSUSE.
- The Microsoft Windows NT Family.

Environments, Tools and Editors

¹B.S. and M.S. combined into a five year course structure.

²Implemented and now maintaining a 4400 line android app for a yet to launch start-up.

- **Text Editors** - Vim.
- **Development Environments** - Eclipse, Netbeans, Monodevelop and Microsoft Visual Studio.
- **Version Control** - Git and Subversion.

Miscellaneous

- **Document Processing** - L^AT_EX, OpenOffice.Org.
- **Graphics** - Inkscape, GIMP.

Previous Work Most of my recent and significant work can be found at <http://github.com/sanjoy>.

Academics **Relevant Courses** As part of my university curriculum I have completed / expect to complete the following courses relevant to the position.

Course	Status
Programming and Data Structures + Lab	Completed
Introduction to Algorithms + Lab	Completed
Artificial Intelligence + Lab	To be complete by summer 2010
Principles of Microprocessors + Lab	To be complete by summer 2010
Discrete Mathematics	To be complete by summer 2010

Academic Achievements

- Cleared the Joint Entrance Exam (JEE) '08, mandatory for admission to the undergraduate courses at the Indian Institutes Of Technology. Secured an All India Rank of 1921 (with more than 500,000 students appearing for the same).
- Secured a national rank of 3rd in the 5th National Cyber Olympiad.
- Secured a percentage of 95.75 % in my +2 board examinations (ISC).
- Secured a percentage of 94.4 % in my 10th board examinations (ICSE).

Extra Curricular Activities Currently holding the position of a sub-head of the Technology Robotix Society (<http://robotix.in>). My hobbies include working out at the gym and listening to music. I have a blog at <http://playingwithpointers.com>.