Ishaan Joshi
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Education

- **University of Illinois at Chicago, IL**
  Currently in the PhD program, Computer Science, Fall 2005 - Present
  Courses: Algorithms II, Distributed Systems, Introduction to Logic, Compiler Design, Theory of Computation, Formal Methods.

- **The Pennsylvania State University, Harrisburg, PA**
  M.S., Computer Science, Fall 2003 - Summer 2005
  Courses: Advanced Database Design, Computer Graphics, Security, Concrete Mathematics, Programming with Java, , Evolutionary Algorithms, Operating Systems.

- **University Of Madras, Chennai, India**
  B.E., Computer Science and Engineering, August 1999 - June2003
  Courses: Distributed Computing, Algorithms, Data Structures, Microprocessor, Computer Architecture, Computer Graphics, Data Base Management Systems, Finite Automata & Languages, Discrete Math

Work History

- **Teaching Assistant**   01/2006 - 05/2006
  University of Illinois at Chicago, IL

  - CS301 : Languages & Automata (Spring '06), I had to take one class a week, mostly related to problem solving.
  - CS108 : Introduction to Programming (Spring '06). I had to conduct a lab session each week, this included teaching.

- **Tech Support for Campus Housing**   08/2004 - 01/2005
  The Pennsylvania State University, Harrisburg, IL

  - Troubleshooting any networking issues that arose in the student dormitories, either via phone or personal presence.
  - Troubleshooting any hardware issues that the students may have had, encompassing most of the day to day problems encountered in the running of a PC.
  - Help with the installation of software provided by the University, and tutorials on how to use it.

Skills

- **Languages/Programming/Applications/SCM/Operating Systems:** C, C++, x86 Assembly, Java, LaTeX 2_ε, Dreamweaver, MS Access, Lex, Bison, Linux/Windows/Solaris.

Significant Projects

- For my **Compiler Design** course projects, I wrote a compiler for a subset of C implementing *The Lexical Analyser, Parser, Symbol Table, Abstract Syntax Tree, Type Checking, Intermediate code generator using MIPS.*[I used: `C, Lex, Bison, xspim, Linux`]

- For my **Computer Security** course I co-wrote the following piece of system administration software, details can be found here :
  `http://www.linuxsoft.cz/en/sw_detail.php?id_item=5049`)
  [I used: `Java, C++, Perl, Linux, Solaris`]