

# Hardik Panjwani

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## ⌘ EDUCATION

<b>Secondary Education</b> <i>St. Francis D'Assisi High School, India</i>	81.46% (First Class)	Mar 2000
<b>Higher Secondary Education</b> <i>Mithibai College, Mumbai University, India</i>	76.00% (First Class)	Feb 2002
<b>Bachelors in Physics + Mathematics</b> <i>St. Xavier's College, Mumbai University, India</i>	73.00% (First Class) 75.50% (First Class)	Mar 2005 Mar 2006
<b>Masters in Physics</b> <i>University of Pune, Pune, India</i>	GPA: 4.4/6	May 2008
<b>GATE</b> <i>ranked 98 out of 5925 Candidates</i>	Percentile 98.28	Feb 2008
<b>CSIR-NET</b> <i>awarded a JRF and Lectureship in Physical Sciences</i>		Dec 2008
<b>Masters in Physics</b> <i>Syracuse University, Syracuse NY, USA</i>	GPA: 3.647/4	May 2012

## ⌘ EXPERIENCE

### Teaching Assistant/Instructor at Syracuse University (Aug 09 - May 12)

As a TA I was responsible for around 70 students each semester, divided into 3 classes of around 20-25 students each. The classes covered basics of mechanics and electromagnetism with related mathematical concepts.

As a summer Instructor, I was responsible for all the work described above and in addition to that I designed the course, prepared lectures, created homework, midterms and final exams and the grading pattern. The class had around 18 students each summer. I also learnt how to use Blackboard, a learning management system used to keep track of student information.

### Visiting faculty at St. Xavier's College (Nov 12 - Mar 13)

I taught Microprocessors and Micro-controllers (Theory and Lab) to around 60 students in the F.Y.B.Sc. - IT class, for which there were 5 lectures and 2 labs every week. Class evaluation was done in a continuous manner with multiple-choice exams, group project, final exam for theory and 2 lab exams.

### Associate Subject Matter Expert at ILFS-ETS (Sep 13 - Dec 13)

I was hired as associate SME for Physics to facilitate development of a new educational software project. However the project was cancelled and I chose to leave instead of staying on and working for ongoing education and skills software projects.

### Private Tutor & Education Consultant: Quill Services (Jan 14 - present)

Currently, I am tutoring high school and undergraduate students on a private basis as well as in groups as well as providing guidance for future studies, particularly if students want to go abroad for higher education. I teach Physics, Maths, Chemistry and Statistics. This includes regular course work, entrance exam preparation and future admission applications.

## ⌘ SKILLS

- **Computers:** Windows, Linux (Ubuntu, Fedora), Mac OS X, iOS, Android (advanced)
- **Programming:** C (intermediate), Fortran (advanced), Mathematica (intermediate), Maple (basic)
- **Writing:** MS Office (intermediate), iWork (intermediate), Google Docs (intermediate)
- **Graphing:** Gnuplot (intermediate), Origin (intermediate), Wolfram Alpha (intermediate)

## ⌘ ACHIEVEMENTS / AWARDS

### **Honours Certificate from St. Xavier's College (2002-2005)**

*awarded for successful completion of advanced physics course work, completion of 3 research projects, conducting a science workshop for teacher's from tribal areas and free mathematics tutoring for under privileged students at Garden School.*

### **1st Prize for poster presentation at Royal College, Thane, India (2005)**

*awarded for presentation on the mathematics of Golden Ratio and the demonstration of the recurring occurrence of the Golden Ratio in nature, science, art and engineering.*

## ⌘ HOBBIES

*Reading, Chess, Contract Bridge, Formula 1 racing, Tennis, Word games, Quizzes*