

Navakanth R. Gandavarapu

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SCHOOL ADDRESS

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HOME ADDRESS

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Education:

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| University of Colorado, Boulder, Colorado
Ph.D. in Chemical and Biological Engineering
Advisor: Dr. Kristi Anseth
G.P.A: 3.823 | 2007-Present |
| Indian Institute of Technology (IIT), Kharagpur, India
B.Tech (Hon's) in Chemical Engineering
C.G.P.A: 8.49/10 | 2003-2007 |

Awards/Honors:

- Best B.Tech Thesis award (2nd place).
- M.C.M scholarship from IIT-Kharagpur for 2005-06.
- "Pratibha Scholarship" from Govt. of A.P, India.
- Finished in top 0.35% of approximately 4000 students (Nation-wide) who got selected in Joint Entrance Examination (IIT-JEE) for admission into Indian Institute of Technology
- 'Special Award' in Regional Maths Olympiad, 2001.

Research:

- **B.Tech Project**
Advisor: Dr. Saikat Chakraborty
Dept. of Chemical Engineering,
Indian Institute of Technology, Kharagpur.
Topic: Micro-scale modeling of Uptake of NO by Human Lung. 2006-2007
- **Research Internship**
Advisor: Mr. Prashant Barve, Senior Scientist
National Chemical Laboratories, Pune, India. May-July 2006
Topic: Lactic Acid Production via Counter Current Reactive Distillation.

- **Research Internship**

Advisor: Dr. Yamuna Rani, Scientist E-II December 2005

Indian Institute of Chemical Technology, Hyderabad, India.

Topic: Optimization of Unsteady state process using Simulated Annealing.

Experience:

Teaching Assistant, University of Colorado, Boulder Fall 2007

- Organized and Supervised General Chemistry for Engineers Laboratory.
- Conducted Recitations and graded student reports and homework.

Practical Trainee May-June 2005

Godavari Fertilizers and Chemicals Limited, Kakinada, A.P, India.

- Worked as a trainee in NPK fertilizer production unit.

Conference Presentations:

- G.Navakanth Reddy & Chakraborty, S. Microscale Modeling of Reactive Uptake of Nitric Oxide in the Red Blood Cell. Oral Presentation, *CHEMCON '06* organized by IICHE.

Activities:

- Head, Cheminsight '06, Annual Symposium Conducted by Dept. of Chemical Engineering, IIT-Kharagpur.
- Captain, L.L.R hall 'ChemInnovations' team, 2005-2007, an annual inter hall competition, IIT-Kharagpur.
- Worked as Red-Cross (IIT-Kgp unit) Volunteer as part of NSS from July 2004 to April 2005.
- Successfully completed 3 Bengal Air (NCC) training camp.

Computer Skills:

Software: ASPEN, Proficient in Microsoft Word, Excel, Power Point

Programming Languages: MATLAB, C/C++, FORTRAN.