

Pritee Tembhekar

350 Memorial Dr.
Cambridge, MA 02139

857-756-7212 • pritee@mit.edu

11129 Miramar Dr.
Austin, TX 78726

Education

Massachusetts Institute of Technology

Candidate for Bachelor of Science in Chemical Engineering GPA: 5.0/5.0

Cambridge, MA

2014

Westwood High School

Salutatorian, International Baccalaureate diploma recipient

Austin, TX

2010

Work & Research Experience

Olsen Lab-Chemical Engineering Department, MIT

Cambridge, MA

Undergraduate researcher

Summer 2011-present

- Designed protein sequence predicted to form a polymer network (hydrogel)
- Utilizing molecular cloning to make and express desired gene
- Studying associative polymer chains through rheological data

Edelman Lab-Harvard- MIT Health Science & Technology Center

Cambridge, MA

Undergraduate researcher

Spring 2011

- Collected cell growth data from cell culture experiments
- Analyzed data to study the differentiation behaviors of human vascular progenitor cells

Applied Research Laboratories

Austin, TX

Researcher in text classification lab

Summer 2010

- Implemented a web-based application for making e-mail labeling more efficient using JavaScript, HTML, Perl, and SQL
- Developed and tested 2 novel algorithms to modify input to existing text classifiers

University of Texas at Austin

Austin, TX

Physics Department Intern

Summer 2009

- Evaluated crystal surfaces using atomic force microscopy for an atomic mirror project requiring extremely flat surface for manipulating atoms
- Presented work in a PowerPoint for 20 interns and 15 faculty members

Math tutor

Austin, TX

- Tutored long and short term students in all levels from pre-algebra to calculus

2007-2010

Capstone Project: Statistical Study of Teen Health

Austin, TX

Independent Researcher

2009

- Constructed survey to study teen health, collected and analyzed over 300 surveys
- Compiled findings in report and presentation to educate students, teachers, and administrators

Leadership

MIT Leadership Training Institute (LTI)

Cambridge, MA

Final Projects Mentor, Internal Relations Chair

2010-present

- Taught LTI designed leadership curriculum to high school students in a 12-week session
- Facilitated student design and execution of sustainable community service projects

MIT Society of Women Engineers (SWE)

Cambridge, MA

Exec, current VP Corporate Relations, past Campus Relations, Professional Development chair

2010-present

- Designed professional development and corporate relations events by recruiting and negotiating with company representatives and MIT alumni

MIT mentoring programs: Baker Leaders and Associate Advising

Cambridge, MA

Baker Leader, Associate Advisor

2010-present

- Collaborate with faculty member to advise incoming freshmen
- Created and participated in leadership development sessions for residents of Baker House

Skills:

Programming: Java, HTML, Matlab

Lab: Molecular cloning, protein expression/purification, cell culture **Imaging:** NMR, DNA and protein gels

Languages: Spanish (4th year student), Marathi (fluent speaker)

Honors: 2nd Place in Chemistry at Intel ISEF science fair, American Invitational Mathematics Competition, 2009 AP National Scholar Award, 2010 Senior Award in Math, Chemistry, and Physics