

ISRA SHABIR

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EDUCATION

- **Massachusetts Institute of Technology** **June 2014**
Cambridge, MA
 - Candidate for dual S.B. in Management and Mathematics
 - Current GPA: 4.4/5.0
- **Free University of Berlin** **August 2011**
Berlin, Germany

Li & Fung Scholar, MIT Study Abroad

 - German A1
- **Stanford University Summer Education Program for Gifted Youth** **August, 2008**
Istanbul, Turkey
 - Number Theory I

EXPERIENCE

- **Columbia University Medical Center – MIT Alumni Externship Program** **January, 2012**
New York, NY

Research Assistant

 - Researched Immune Mechanisms in Human Autoimmune Diseases with Professor Leonard Chess (Columbia U.)
- **Undergraduate Practice Opportunities Program** **October, 2011-present**
 - Participating in a self-selecting, professional development and engineering leadership effectiveness program that prepares MIT sophomores for success in the workplace
 - Will receive academic training in engineering modules and personalized coaching in career development over the course of one year
- **MIT David H. Koch Institute-Robert S. Langer Lab and Daniel Blankschtein Lab** **Sept, 2011-Jan 2012**
Cambridge, MA

Research Assistant

 - Tested Ultrasound technology for delivering drugs to Human Gastrointestinal tract
 - Carried out in-vitro cell diffusion using radiolabeled glucose, insulin to quantify delivery through fresh muscle, cartilage, tendons, bones using ultrasound at low, medium, and high power
 - Quantified permeability effect of ultrasound used as a pretreatment on the tissue
 - Created a histological survey quantifying physical effect of ultrasound exposure to tissue
- **MIT McGovern Institute for Brain Research: Gabrieli Lab** **Feb-April, 2011**
Cambridge, MA

Research Assistant

 - Research in neuroscience and neuro-imaging
 - Completed Training Level I in fMRI and EEG Scanning
 - Analyzed and processed data obtained from fMRI and EEG using MATLAB and Python
 - Implemented experiment on 30+ participants to contribute toward research to cure Dyslexia

LEADERSHIP

- **The Tech (campus newspaper)** **Jan, 2012-present**

Student Blogger
- **MIT Information Services and Technology: Residential Computing Consultant** **Jan, 2012-present**

Assist with computing questions and problems in the dormitories. Specializing in network troubleshooting
- **Peer Mentor Program, MIT Global Education Office** **Nov, 2011- present**
Cambridge, MA

Ambassador to MIT Study Abroad Program

 - Advise Students on Study Abroad programs; give talks on occasions regarding personal experience
- **MIT Muslim Students' Association (MIT MSA)** **Nov, 2010-present**
Cambridge, MA

Publicity Chair and IM Basketball + Badminton player

 - Design fliers and posters for events using Adobe Photoshop and Illustrator
 - Direct advertisement and promotion of events, as well as other publicity matters

SKILLS / MIT ACTIVITIES AND PERSONAL

- **Languages:** English, German, Hindi, Arabic
- **Computer:** Proficient in Windows/MS Office, Linux, and Mac OS X environments; MATLAB; Python
- MIT Undergraduate Biochemistry Association, MIT Model United Nations Society, Squash, Cycling