

EDUCATION

Ph.D. Candidate in Biomedical Engineering - Imaging & Biophotonics

Northwestern University, Evanston, IL

2017 - Expected 2022

- **Fellowships:** Fellowship in Leadership (2020) | Murphy Fellowship (2017)
- **Leadership Roles:**
 - Vice President of Administration, Advanced Degree Consulting Alliance | Fall 2020 - Present
 - Diversity Committee Member & Ambassador, BMEGS | Winter 2021 - Present

B.S. in Biomedical Engineering - Cell & Tissue Engineering

Illinois Institute of Technology (IIT), Chicago, IL | **GPA:** 3.96 (*Summa Cum Laude*)

2013 - 2017

- **Scholarships:** Toprani Research Scholarship (2016) | ARC Scholar (2015) | International Student Scholarship (2013)
- **Leadership Roles:**
 - Designer, Undergraduate Research Journal | Fall 2013 - Spring 2014
 - Student Diversity Ambassador, Center for Diversity | Spring 2015 - Fall 2015
 - Corresponding Secretary, Tau Beta Pi Honor Society (TBP-ILB) | Fall 2016 - Spring 2017

WORK EXPERIENCE

- **Extern, Mars & Co - Global Strategy Consulting Firm** Winter 2021
 - Practiced cases with Senior Consultants involved in Strategy Consulting.
- **Graduate Research Assistant, Backman Lab at Northwestern University** Fall 2017 - Present
 - Mentored an interdisciplinary research team as a part of the NSF Research Experience and Mentoring Program.
- **Teaching Assistant, Biomedical Engineering Department at Northwestern University & IIT**
 - Taught Quantitative Experimentation and Design at Northwestern University. Spring 2020
 - Conducted lectures on Image Analysis and Signal Processing on MATLAB at IIT. Spring 2017
- **Undergraduate Research Assistant, Medical Imaging Research Center (MIRC) at IIT** Spring 2016 - Fall 2016
 - Developed Mathematical Models for lumpectomy margin assessment.
- **Community Desk Assistant, Residence & Greek Life, IIT** Fall 2015 - Spring 2017
 - Resolved issues relevant to On-Campus Housing and Greek life.

PROJECTS

- **Epigenetic Cell Reprogramming in-situ: A novel tool for Regenerative Engineering | Backman Lab:** Led the imaging and functional genomics domains to analyze the effects of environmental cues on 3D chromatin architecture in enhancing the differentiation/reprogramming outcomes in stem cells.
- **Mathematical models governing diffusion of imaging agents in lumpectomy margin assessment | MIRC:** Collaborated with experts in mathematical modelling to identify an optimum imaging experimental protocol for quantitative molecular phenotyping of cell-surface tumor biomarkers by solving partial differential equations.

AWARDS AND HONORS

- Tau Beta Pi Engineering Honor Society, Member Since 2016
- Armour College of Engineering Dean's List for Excellent Scholarly Achievement, IIT 2013 - 2016
- Undergraduate Research Expo Winner, IIT 2016
- Society of Women Engineers Region H Research Competition - Best in Show, IIT 2017

★ COMPUTER SKILLS

- **Applications:** Microsoft Excel, Microsoft PowerPoint, Adobe Photoshop, and MATLAB (Image Processing Toolbox).
- **Languages:** Strong in Python, MATLAB, and R. Intermediate in C++ and JAVA.
- **Data Analysis:** Hypothesis Testing, and Data Visualization.

★ INTERESTS | Painting, Playing Chess and Reading books on Epigenetics.