

## EDUCATION

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- PhD in Computer Science Sept 2019 - Present  
[DataLab](#) at Northeastern University, Khoury College of Computer Sciences GPA: 3.97 / 4  
Advised by: Dr. Wolfgang Gatterbauer
- Bachelor of Engineering (Computers) 2015-19  
Thadomal Shahani Engineering College, University of Mumbai GPA: 9.15 / 10  
Bachelor's Project: 3D Facial Reconstruction using a single 2D Image  
Advised by: Dr. Archana Patankar

## PUBLICATIONS AND PREPRINTS

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- A Unified Approach for Resilience and Causal Responsibility with Integer Linear Programming (ILP) and LP Relaxations *Neha Makhija, Wolfgang Gatterbauer*  
[\[Arxiv\]](#)
- Towards a Dichotomy for Minimally Factorizing the Provenance of Self-Join Free Conjunctive Queries  
*Neha Makhija, Wolfgang Gatterbauer*  
[\[Arxiv\]](#)
- Loch Prospector: Metadata Visualization for Lakes of Open Data  
*Neha Makhija, Mansi Jain, Nikolaos Tziavelis, Laura Di Rocco, Sara Di Bartolomeo, Cody Dunne*  
Short Paper at IEEE VIS 2020  
[\[IEEE VIS\]](#) [\[OSF\]](#) [\[Video\]](#) [\[Teaser\]](#) [\[Webpage\]](#)

## EXPERIENCE

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- Summer Intern May 2023- August 2023  
**RelationalAI**
- Summer Intern May 2022- August 2022  
**RelationalAI**
- Summer Research Intern May 2021- August 2021  
**IBM Research, Yorktown Heights**
- Machine Learning Intern November 2017- August 2018  
**Ushva Clean Technology**

## HONOURS & AWARDS

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- Graduate Fellowship, Northeastern University 2019
- Principal's Award of Excellence, Thadomal Shahani Engineering College 2019
- Leadership Award, Thadomal Shahani Engineering College 2019

## GRADUATE COURSEWORK

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Advanced Algorithms, Large Scale and Parallel Data Processing, Scalable Database Management, Information Visualization, Distributed Systems, Graph Theory, Effective Scientific Communication

## TEACHING

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- Teaching Assistant, CS7240: Principles of Scalable Data Management: Theory, Algorithms and Database Systems Spring 2023
- Head Teaching Assistant, CS3200: Database Design Fall 2022