

Vishwali Mhasawade

+13474811767 • vishwalim@nyu.edu • <https://www.vishwali.github.io>

RESEARCH INTERESTS

Multi-Environment Causal Discovery, Fair Domain Adaptation, Causal Inference

EDUCATION

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|---|-------------------------------------|
| New York University, New York, USA <i>Ph.D. in Computer Science. Advisor: Rumi Chunara</i> | 09/2019 - Present |
| New York University, New York, USA <i>Master of Science in Computer Science. Advisor: Rumi Chunara</i> | 09/2017 - 05/2019 CGPA : 3.785/4 |
| Pune University, Pune, India <i>Bachelor of Engineering in Computer Engineering</i> | 06/2013 - 06/2017 CGPA : 3.695/4 |

PUBLICATIONS

- Harvineet Singh*, Vishwali Mhasawade*, Rumi Chunara.
Assessing Threats to Generalizability of Mortality Prediction Models across Hospitals.
Under Review at Machine Learning for Healthcare (MLHC), 2020
- Vishwali Mhasawade, Rumi Chunara.
Multi-Environment Functional Causal Models using Gaussian Processes.
Under Review at UAI 2020.
Workshop on Causal Inference for Decision Making, ICLR, 2020.
- Harvineet Singh, Rina Singh, Vishwali Mhasawade, Rumi Chunara.
Fair Predictors under Distribution Shift.
Under Review at ICML 2020.
Fair ML for Health workshop at NeurIPS, 2019. Spotlight presentation. [Link]
- Vishwali Mhasawade, Nabeel Abdur Rehman, Rumi Chunara.
Population-aware Hierarchical Bayesian Domain Adaptation via Multi-component Invariant Learning.
ACM Conference on Health, Inference and Learning, 2020.
Machine Learning for Health (ML4H) Workshop at NeurIPS, 2018. [Link]
- Vishwali Mhasawade, Anas Elghafari, Dustin Duncan, Rumi Chunara.
Role of the Online and Built Social Environments in the expression of dining on Instagram.
International Journal of Environmental Research and Public Health, 2020. [Link]
- Gregory W. Johnsen, Ling Lin, Lucia Yu, Andrew Dempsey, Vishwali Mhasawade, Daniel Jaroslawicz, Iddo Drori.
Explainable Musical Phrase Completion.
Joint Workshop on Machine Learning for Music at ICML, 2018. [Link]
- Vishwali Mhasawade, Ildikó Emese Szabó, Melanie Tosik, Sheng-Fu Wang.
Neural Networks and Quantifier Conservativity : Does Data Distribution affect learnability?
arXiv preprint arXiv:1809.05733, 2018. [Link]

8. Vishwali Mhasawade, Akanksha Joshi.

Bharatnatyam Hand-Gesture Recognition using Contour Detection.

International Journal of Computer Applications, 2016. [Link]

WORK EXPERIENCE

FairFrame Inc.

Co-Founder and Machine Learning Head

Winner of NYU \$300K Entrepreneurs Challenge, 2018.

New York, USA

02/2018 - 11/2018

In2things Automation Pvt. Ltd.

Software Development Intern

Pune, India

12/2016 - 02/2017

POSITIONS OF RESPONSIBILITY

Internship Mentor: ARISE Program, New York University

Summer 2019

Mentored two high school students in a STEM research exposure program.

Teaching Assistant: Deep Learning (CS-GY 9223), New York University

Fall 2018

Instructor: Iddo Drori

AWARDS

School of Engineering Fellowship

New York University, 2019-2020

SERVICE

Reviewer

NeurIPS, 2020

ACM Conference on Health, Inference and Learning, 2020.

ML-IRL workshop at ICLR, 2020.

ML4H workshop at NeurIPS, 2019.

TECHNICAL SKILLS

Programming Languages: (Proficient) Python; (Familiar) R, C++, Matlab, Javascript.

ML Frameworks: Tensorflow, PyTorch, Keras, Pyro, GPyTorch.

Applications and Tools: LaTeX, git, MS Office, Bash Scripting.