

# BHAVYA KUMAR AGRAWALLA

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## EDUCATION

<b>Carnegie Mellon University (CMU)</b> Pittsburgh, PA PhD Student In The Computer Science Department (CSD)	September 2024 - Present
<b>Massachusetts Institute of Technology (MIT)</b> Cambridge, MA B.S. : Artificial Intelligence, Mathematics	September 2021 - June 2024 GPA : 4.8/5.0

## AWARDS & DISTINCTIONS

- Silver Medallist at the 60<sup>th</sup> International Mathematical Olympiad (IMO). 2019

## RESEARCH INTERESTS

Deep Reinforcement Learning, Statistics

## PUBLICATIONS

**floq: Training Critics via Flow-Matching for Scaling Compute In Value-Based RL**  
Bhavya Agrawalla, Michal Nauman, Khush Agrawal, Aviral Kumar  
*International Conference On Learning Representations (ICLR)-2026*

**Statistical Inference for Linear Functionals of Online Least Squares SGD when  $t \gtrsim d^{1+\delta}$**   
Bhavya Agrawalla, Krishnakumar Balasubramanian, Promit Ghosal  
*IEEE Transactions on Information Theory, 2025*

**DISeR: Designing Imaging Systems with Reinforcement Learning**  
Tzofi Klinghoffer, Kushagra Tiwary, Nikhil Behari, **Bhavya Agrawalla**, et. al  
*International Conference on Computer Vision (ICCV), 2023*

**Harrison Homology and the Quillen Cohomology of Commutative Monoids**  
Bhavya Agrawalla, Nasief Khlaif, Haynes Miller  
*Semigroup Forum Journal, 2023*