BHAVYA AGRAWALLA

Address ⋄ Cambridge, Massachusetts, United States
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EDUCATION

Massachusetts Institute of Technology *September 2021 - May 2024*
Candidate for Bachelors of Science in Mathematics (Course 18)
Candidate for Bachelors of Science in AI and Decision Making (Course 6-4) CGPA: 4.9/5.0

Indian Institute of Science, Bangalore *September 2020 - July 2021*
Transferred to MIT after first year

AWARDS AND HONORS

Silver Medal at the International Mathematical Olympiad 2019 *2019*
60th IMO 2019 held at Bath, United Kingdom

MIT Outstanding Undergraduate Researcher Award 2023, Nominee *2023*

MIT HKN Honors Society *2023*
For excellent academic performance in Electrical Engineering and Computer Science (EECS)

PUBLICATIONS AND PREPRINTS

High Dimensional Central Limit Theorem for Linear Functionals of Online Least-Squares SGD *2023*
Bhavya Agrawalla, Krishnakumar Balasubramaniam, Promit Ghosal
Under Review, paper

Designing Imaging Systems using Reinforcement Learning (DISER) *2023*
Tzofi Klinghoffer, Kushagra Tiwary, Nikhil Behari, **Bhavya Agrawalla**, Ramesh Raskar
Accepted at International Conference on Computer Vision (ICCV) 2023 main conference, paper

Harrison Homology and Quillen Cohomology of Commutative Monoids *2022*
Bhavya Agrawalla, Nasief Khlaif, Haynes Miller
Under Review, paper

SELECTED COURSEWORK

Computational Sensorimotor Learning, MIT 6.8200 *Spring 2023*
Advances in Computer Vision, MIT 6.8301 *Spring 2023*
Design and Analysis of Algorithms, MIT 6.046 *Spring 2022*

Non Asymptotic Statistics, MIT 18.656 *Spring 2022*
Theory of Computation, MIT 18.404 *Fall 2022*
Theory of Probability, MIT 18.675 *Fall 2022*
Fundamentals of Statistics, MIT 18.650 *Fall 2021*

General Relativity, MIT 8.962 *Spring 2022*
Algebraic Topology, MIT 18.905 *Fall 2021*
Complex Analysis, MIT 18.112 *Fall 2021*

Grade A in all listed subjects

TECHNICAL KNOWLEDGE

Programming Languages and Libraries
Python, C/C++, Java, R, PyTorch, TensorFlow, Keras, Stable-Baselines (SB3), PyRedner, PyGame
Version Control and OS
GIT/GitHub, Linux, Windows