MILIND B PRABHU
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EDUCATION

University of Michigan, Ann Arbor   *September 2022 – Present*
PhD in Theoretical Computer Science, Advised by Nikhil Bansal   USA

Indian Institute of Technology, Guwahati   *July 2018 – July 2022*
Bachelor of Technology in Computer Science and Engineering   India
- GPA: 9.32/10.0
- Bachelor Thesis Project advised by Benny George Kenkireth

PUBLICATIONS

- Sensitivity Sampling for k-Means: Worst Case and Stability Optimal Coreset Bounds **(FOCS 2024)**
  with Nikhil Bansal, Vincent Cohen-Addad, David Saulpic, and Chris Schwiegelshohn

- Learning Multiple Secrets in Mastermind **(ICML 2024)**
  with David Woodruff

- On Minimizing Generalized Makespan on Unrelated Machines **(APPROX 2023)**
  with Nikhil Ayyadevara and Nikhil Bansal

- Generalizing Greenwald-Khanna Streaming Quantile Summaries for Weighted Inputs **(ICDT 2023)**
  with Sepehr Assadi, Nirmit Joshi, and Vihan Shah

SERVICE AND PROFESSIONAL ACTIVITIES

- **External Reviews:** STOC 2025, SODA 2025, FSTTCS 2024

- **Department Service:** Co-organizer of the weekly *Theory Lunch* at the University of Michigan in Fall 2024 and Winter 2025.

SUMMER SCHOOL AND WORKSHOP PARTICIPATIONS

- Efficient Algorithms for High Dimensional Metrics: New Tools, 2024: Attended a workshop on algorithms for high dimensional metrics organized by DIMACS at Rutgers University, New Brunswick.

- Old Questions and New Directions in Theory of Clustering, 2024: Attended a workshop on clustering algorithms organized by the EnCORE institute at the University of California, San Diego.

- PACT 2024, 2020: Guest lecturer at the Program in Algorithmic & Combinatorial Thinking. Gave talks to high-school and undergraduate students on randomized load balancing (2024) and sublinear algorithms(2020).

- New Horizons in TCS Summer School, 2021: Participated as a (virtual) Teaching Assistant for the summer school held in 2021. The goal of the summer school was to expose undergraduates (especially those from under-represented groups) to emerging areas in theoretical computer science.

- PACT 2019: Attended the Program in Algorithmic & Combinatorial Thinking organized by Rajiv Gandhi at Princeton University in the summer of 2019.

Awards and Honors

- **IIT-JEE Advanced 2018**: Ranked 582 among 1 Million Candidates.

- **Indian National Mathematical Olympiad 2017:** Awarded a certificate of merit.

- **KVPY 2016:** Offered a fellowship by the Department of Science and Technology, Government of India for securing an all India rank of 162.

- **NTSE 2016:** Awarded the National Talent Search Examination Scholarship.