Anmol Kagrecha

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Education

- **Stanford University** (Sept. 2020 - Aug. 2025)
  Advisor: Prof. Benjamin Van Roy
  Robert Bosch Stanford Graduate Fellow
  Ph.D. in Electrical Engineering
  GPA: 4.015/4.0
- **Indian Institute of Technology Bombay** (July 2015- June 2020)
  Advisor: Prof. Jayakrishnan Nair
  B.Tech and M.Tech in Electrical Engineering
  Specialization: Communication and Signal Processing
  GPA: 9.68 / 10.0

Scholastic Achievements and Awards

- Recipient of the **Robert Bosch Stanford Graduate Fellowship**
- **Institute Silver Medal by IIT Bombay** for best academic standing among the Dual Degree (B.Tech and M.Tech) students in Electrical Engineering graduating in 2020
- **Undergraduate Research Award** for exceptional work in the Dual Degree Project at IIT Bombay in 2020

Preprints

- Granular feedback merits sophisticated aggregation
  A.K., Henrik Marklund, Potsawee Manakul, Richard Zeckhauser, and Benjamin Van Roy
  arXiv
- Adaptive Crowdsourcing Via Self-Supervised Learning
  A.K., Henrik Marklund, Benjamin Van Roy, Hong Jun Jeon, and Richard Zeckhauser
  arXiv

Publications

- SkillAggregation: Reference-free LLM-Dependent Aggregation
  Guangzhi Sun, **A.K.**, Potsawee Manakul, Phil Woodland, Mark Gales
  Annual Meeting of the Association for Computational Linguistics (ACL 2025)
- Constrained regret minimization for multi-criterion multi-armed bandits
  A.K., Jayakrishnan Nair and Krishna Jagannathan
  Springer Machine Learning
- Statistically Robust, Risk-Averse Best Arm Identification in Multi-Armed Bandits
  A.K., Jayakrishnan Nair and Krishna Jagannathan
  IEEE Transactions on Information Theory
- Bandit algorithms: Letting go of logarithmic regret for statistical robustness
  Ashutosh Kumar, Jayakrishnan Nair, **A.K.**, and Krishna Jagannathan
  International Conference on Artificial Intelligence and Statistics (AISTATS 2021)

- "Please come back later": Benefiting from deferrals in service systems
  A.K. and Jayakrishnan Nair
  International Conference on Communication Systems & Networks (COMSNETS 2020)
- Distribution oblivious, risk-aware algorithms for multi-armed bandits with unbounded rewards
  A.K., Jayakrishnan Nair and Krishna Jagannathan
  Advances in Neural Information Processing Systems 2019 (NeurIPS 2019)

Teaching Assistantships

Artificial Intelligence for Reasoning, Planning, and Decision Making (Spring 2025)
In close coordination with the instructor, Prof. Edward Chang, formulated rubrics for course deliverables like assignments and the project. Other duties included conducting weekly office hours, preparing sample responses for the course deliverables, and grading them.

Bandit Learning and Reinforcement Learning (Winter 2024, Fall 2023, Fall 2022)
In close coordination with the instructor, Prof. Benjamin Van Roy, formulated homework and exam problems and then developed starter code for them. Other duties included conducting weekly office hours to address conceptual doubts and providing hints for homework problems.

Relevant Coursework & Programming Skills

- **Courses**: Reinforcement Learning, Information Theory, Optimization, Graduate-level Probability
- **Programming languages and frameworks**: Python, PyTorch, NumPy, Pandas