

Ishan S. Khare

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EDUCATION

Stanford University <i>M.S. Computer Science</i>	Jan 2024 – Mar 2026 <i>Stanford, CA</i>
<ul style="list-style-type: none">• Teaching Assistant: CS 238 (Graduate AI) & CS 124 (Undergrad Natural Language Processing).• Selected Coursework: Machine Learning (ML), Statistical Inference, Applied Matrix Theory, Continuous Mathematical Methods for ML, Information Theory, Computer Vision with Deep Learning, NLP with Deep Learning, Deep Reinforcement Learning, ML from Human Preferences, Parallel Computing.	Sep 2021 – Jun 2025 <i>Stanford, CA</i>

Stanford University <i>B.S. Computer Science (with distinction)</i>	Sep 2021 – Jun 2025 <i>Stanford, CA</i>
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- **GPA:** 4.04/4.0 with *Tau Beta Pi* and *Phi Beta Kappa* graduating honors.
- **Activities:** Stanford ACM Officer, Undergrad Research Association Board Member.

EXPERIENCE

Stanford Artificial Intelligence Lab <i>Machine Learning Researcher</i>	Dec 2023 – present <i>Stanford, CA</i>
<ul style="list-style-type: none">• Research under the guidance of Prof. Chris Ré as part of the HazyResearch group.• Co-authored 2 papers at <i>NeurIPS</i> 2024 and 1 paper at <i>ICLR</i> 2026.• Focused on developing efficient, interpretable methods for large language models with three core directions: Benchmarking & Evaluation, Model Routing, System Design.	Sep 2021 – Jun 2025 <i>Stanford, CA</i>
Nimbic AI, Inc. <i>Founder and CEO</i>	Dec 2024 – Dec 2025 <i>San Francisco, CA</i>
<ul style="list-style-type: none">• Accepted to Y Combinator Spring 2025 batch (< 1% acceptance) and received \$500k investment.• Scaled AI-powered documentation platform from zero to \$66K ARR within 4 weeks of launch.	Jun 2024 – Aug 2024 <i>Chicago, IL</i>
IMC Financial Markets <i>Quantitative Trader Intern</i>	Jun 2024 – Aug 2024 <i>Chicago, IL</i>
<ul style="list-style-type: none">• Built a deep learning architecture for trading Ode index options on the market making desk.• Collaborated with traders and PhD researchers on novel trading strategy development.• Learned options theory, market making, trades analysis, systematic and manual mock trading.	Jun 2023 – Dec 2023 <i>Stanford, CA</i>
Stanford CS Theory Group <i>Algorithms Research Assistant</i>	Jun 2023 – Dec 2023 <i>Stanford, CA</i>
<ul style="list-style-type: none">• Advised by Profs. Aviad Rubinstein & Moses Charikar during CURIS research program.• Researched approximation algorithms for k-means clustering.• Contributed to LMP relaxation framework achieving improved approximation ratio for k-means.	Jun 2023 – Dec 2023 <i>Stanford, CA</i>

PUBLICATIONS

- S. He, A. Narayan, **I.S. Khare**, C. Ré, S. Linderman, D. Biderman. “An Information Theoretic Perspective on Agentic System Design.” *International Conference on Learning Representations (ICLR)* 14 (2025) [\[link\]](#).
- N. Guha, M.F. Chen, T. Chow, **I.S. Khare**, C. Ré. “Smoothie: Label Free Language Model Routing.” *Advances in Neural Information Processing Systems (NeurIPS)* 37, 127645–127672 (2024) [\[link\]](#).
- M. Wornow, A. Narayan, B. Viggiano, **I.S. Khare**, . . . , C. Ré. “WONDERBREAD: A benchmark for evaluating multimodal foundation models on business process management tasks.” *Advances in Neural Information Processing Systems (NeurIPS)* 37, 115963–116021 (2024) [\[link\]](#).
- **I.S. Khare**, N.J. Szymanski, D. Gall, R.E. Irving. “Electronic, optical, and thermoelectric properties of sodium pnictogen chalcogenides: A first principles study.” *Computational Materials Science* 183, 109818 (2020) [\[link\]](#).

HONORS AND AWARDS

Citadel Datathon Competition (top 24 team in world); Research Science Institute Scholar (top 54 in USA); American Invitational Math Exam (AIME) Qualifier; Regeneron Science Talent Search Scholar; U.S. Chemistry Olympiad National Finalist; Coca-Cola Scholar; Coolidge Senator; National Merit Scholar; Eagle Scout with Palm (< 2% of scouts)