

Aman Bansal

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Education

Stanford University

Master of Science in Computer Science

2021 - 2023

GPA: 3.93/4.0; Specializing in Artificial Intelligence

Indian Institute of Technology Bombay

Bachelor of Technology in Computer Science with Honours

2016 - 2020

GPA: 9.68/10

Work Experience

Wisdom AI | Founding ML Engineer (#1 employee); Tech Lead, Intelligence

Jun 2023 - Present

- Built a speculative SQL-gen system via incremental diffing (akin to Cursor's Tab) leading to 74% reduction in e2e latency
- Mitigated long-horizon context degradation and error compounding for a self-play data agent, enabling 140+ step deep SQL-runs
- Designed a synthetic eval framework with hierarchical planning to build 5000+ table evalsets with adversarial data anomalies
- Utilized inference-time distillation to ground cheaper models with offline teacher outputs, bringing hallucinations to under 1%
- Architected (as tech lead) long-term user memory and implicit reward signals from session feedback for continual improvement

Glean Inc. | Applied Scientist Intern

Jun 2022 - Sep 2022

- Integrated a click-boost ranking signal using historical click-through data, improving relevance for 35% of all queries
- Introduced an authorship-affinity signal that boosts self-authored entities, increasing CTR by 6%

Rubrik Inc. | Member of Technical Staff

Jul 2020 - Sep 2021

- Unified SaaS (Go) and on-prem (Scala) data management stacks into a single architecture, bridging two independent codebases
- Built an end-to-end audit trail for the backup lifecycle, ensuring full SOX compliance across enterprise data management

Haptik | Machine Learning Engineering Intern

Nov 2019 - Jan 2020

- Built a multimodal end-of-turn detector for a voice assistant, fusing sentence completion with silence detection
- Achieved 85% accuracy on test data and 75% on production chat data

Scholastic Achievements And Scholarships

- Achieved **All India Rank 1** in JEE (Advanced) out of 150,000 shortlisted candidates 2016
- Recognized with the Award for **Excellence in Research** in the Bachelor's Thesis Project 2020
- Top 2 in the department to receive the **Institute Academic Award** 2019
- Awarded Charpak Research Internship Scholarship by the Government of France 2018
- Received Gold Medal for being among the national top 38 at the Indian National Chemistry Olympiad 2016
- Ranked 8th (of 113 teams) at ICPC Pacific Northwest Regionals 2022

Publications and Patents

U.S. Patent 12,339,749 [patent]

Rubrik Inc., 2025

- Time variation protection for snapshots using monotonic time sources, preventing premature deletion from clock anomalies

3 patents approved for filing

Wisdom AI, 2025-2026

- (a) Context-aware temporal diff for BI metrics (b) Efficient data-space exploration (c) Hierarchical adversarial evalset generation

Utilitarian Privacy and Private Sampling [paper]

IEEE ISIT 2024

A. Bansal, R. Chunduru, D. Data, M. Prabhakaran

- Extended utilitarian notions of privacy for sensitive database queries with private sampling guarantees

Flexible Accuracy for Differential Privacy [paper]

AISTATS 2022

A. Bansal, R. Chunduru, D. Data, M. Prabhakaran

- Proposed Robust Privacy and Flexible Accuracy for extending differential privacy to highly sensitive functions

Boolean Functional Synthesis [paper] | Bachelor's Thesis

LICS 2021

P. Shah, A. Bansal, S. Akshay, S. Chakraborty

- Proposed SAUNF, a normal form that precisely characterizes tractable synthesis with exponential succinctness over SOTA

EYE: Program Visualizer for CS2 [paper] | Independent Research

ACM SIGCSE SRC 2021

A. Bansal, P. Shah, S. Shah

- Implemented a program visualization tool, Eye, for mitigating the major challenges faced by novice programmers

Garbage Collection Using a Finite Liveness Domain [paper]

ACM SIGPLAN ISMM 2020

A. Bansal, S. Goel, P. Shah, A. Sanyal, P. Kumar

- Optimized the liveness analysis by an exponential factor by exploiting the recurring liveness patterns