Aman Bansal

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Education	
Stanford University 2021 Master of Science in Computer Science GPA: 3.9/4.0; Specializing in Artificial Interview	L - 2023 elligence
	5 - 2020 2.68/10 2020 2019 2019
Work Experience	
Glean Inc. Software Engineer Intern Jun 2022 - Septemb • Worked on improving the search results for user queries based on the clicks on the existing queries	er 2022
Rubrik Inc. Software Development EngineerJul 2020 - September 2021; May 2019 - Jul 2019• Created micro-services to unify the data management tech stack of Rubrik's SaaS and on-prem product• Filed a patent for a recommendation system which could predict data cloud costs and suggest ways to reduce	, , ,
Haptik Pvt. Ltd. Machine Learning Engineering InternNov 2019 - J• Trained an ensemble model in PyTorch to make a virtual voice assistant predict when the user has stopped s• Achieved an accuracy of around 85% on the test data and of over 75% on real-life chat data	
Scholastic Achievements And Scholarships	
 Achieved All India Rank 1 in JEE (Advanced) out of 150,000 shortlisted candidates Awarded Charpak Research Internship Scholarship by the Embassy of France in India Received Gold Medal for being among the national top 38 at the Indian National Chemistry Olympiad. Recipient of the prestigious KVPY Fellowship by Dept. of Science and Technology, Govt. of India 	2016 2018 2016 2015
Publications and Research Work	
Boolean Functional Synthesis [paper] Bachelor's Thesis LIC • Proposed a novel normal form for knowledge representation, SAUNF, that precisely characterizes tractal tional synthesis and is exponentially more succinct than well-established normal forms used in many AI pro-	
Garbage Collection Using a Finite Liveness Domain [paper] ACM SIGPLAN ISM • Optimized the liveness analysis by an exponential factor by exploiting the recurring liveness patterns	M 2020
EYE: Program Visualizer for CS2 [paper] Hobby Research ProjectACM SIGCSE SF• Implemented a program visualization tool, Eye, for mitigating the major challenges faced by novice program	
Extending Foundations of Differential Privacy [paper] AISTAT • Proposed two new concepts, Robust Privacy and Flexible Accuracy along with their composition theore extending the notion of differential privacy to accommodate highly sensitive functions like maximum	FS 2022 ems, for
DeepSec Protocol Attack Simulator INRIA Nancy, France Researc • Designed a simulator for interactively displaying attacks on protocols which violate the behavioural equivalence Researc	
Key Projects	
• Multi-PAXOS Protocol Distributed Systems • Autonomous Teaching Assistant Symbolic NLP	

- Distributed Spanning Tree | Computer Networks D-RAM Addressing Attack | Computer Architecture
- Secure Online Exam Portal | Databases • **Parallelized FFT** | *Parallel Programming*
- Chess Al Classic | Artificial Intelligence
- Verifiable Professional Social Network | Blockchain
- Learning Latent Sound Representation | GANs IMDB Sentiment Analysis | Neural NLP

Technical Skills

C/C++, Python, Scala, Java, Go, PyTorch, Git, ReactJS