# Jivat Neet Kaur

	PhD student, UC Berkeley	
	🕑 jivatneet.github.io 🛛 jnkaur@berkeley.edu 🎧 github.com/jivatneet 🎓 Google S	cholar
Edu	cation	
Ph.D	v <b>ersity of California, Berkeley</b> , <i>Berkeley, CA</i> 9. in Computational Precision Health   Berkeley AI Research (BAIR) Isors: Ahmed Alaa, Michael I. Jordan	08/2023 - Present
Bacł	<b>a Institute of Technology and Science (BITS) Pilani</b> , <i>Pilani, India</i> nelor of Engineering in Computer Science, GPA: 9.23/10.0 luated with <i>Distinction</i>	08/2017 - 07/2021
Exp	erience	
	<b>rosoft Research</b> , Bangalore, India arch Fellow with Amit Sharma, Emre Kiciman	09/2021 - 07/2023
	<b>be Research</b> , Noida, India arch Intern with Sumit Bhatia, Balaji Krishnamurthy	05/2021 - 08/2021
	<b>negie Mellon University</b> , Remote   Pittsburgh, USA arch Assistant (Bachelor Thesis) with Louis-Philippe Morency	12/2020 - 05/2021
	v <b>ersität Hamburg</b> , Remote   Hamburg, Germany arch Intern with Chris Biemann	10/2020 - 05/2021
	r <b>osoft</b> , Bangalore, India vare Engineering Intern	05/2020 - 08/2020
Pub	lications	
[1]	Conformal Prediction Sets with Improved Conditional Coverage using Trust Scores <u>Jivat Neet Kaur</u> , Michael I. Jordan, Ahmed Alaa	
	Preprint	arXiv 2024
[2]	<b>Speaking in Terms of Money: Financial Knowledge Acquisition via Speech Data Genera</b> Advait Bhat, Nidhi Kulkarni, Safiya Husain, Aditya Yadavalli, <u>Jivat Neet Kaur</u> , Anurag Shukla, Vivek Seshadri	
	ACM SIGCAS/SIGCHI Conference on Computing and Sustainable Societies	COMPASS 2024
[3]	Modeling the Data-Generating Process is Necessary for Out-of-Distribution Generalizat <u>Jivat Neet Kaur</u> , Emre Kıcıman, Amit Sharma Eleventh International Conference on Learning Representations (Spotlight)	ion 🖹 ICLR 2023
	Workshop on Spurious Correlations, Invariance, and Stability, ICML 2022 (Spotlight)	10LK 2025
[4]	<b>Towards Modular Machine Learning Pipelines ≧</b> Aditya Modi, <u>Jivat Neet Kaur</u> , Maggie Makar, Pavan Mallapragada, Amit Sharma, Emre Kicima ICML Workshop on Localized Learning (LLW)	an, Adith Swaminathan LLW, ICML 2023
[5]	<b>LM-CORE: Language Models with Contextually Relevant External Knowledge D</b> <u>Jivat Neet Kaur</u> , Sumit Bhatia, Milan Aggarwal, Rachit Bansal, Balaji Krishnamurthy 2022 Conference of North American Chapter of the Association for Computational Linguistics	NAACL Findings 2022
[6]	<b>CoSe-Co: Text Conditioned Generative CommonSense Contextualizer </b> Rachit Bansal, Milan Aggarwal, Sumit Bhatia, <u>Jivat Neet Kaur</u> , Balaji Krishnamurthy 2022 Conference of North American Chapter of the Association for Computational Linguistics	NAACL 2022
[7]	<b>Modern baselines for SPARQL Semantic Parsing </b> Debayan Banerjee, Pranav Ajit Nair*, <u>Jivat Neet Kaur</u> *, Ricardo Usbeck, Chris Biemann The 45th International ACM SIGIR Conference on Research and Development in Information Retrieval	SIGIR 2022
[8]	Ask & Explore: Grounded Question Answering for Curiosity-driven exploration 📄 Jivat Neet Kaur, Yiding Jiang, Paul Pu Liang Workshop on Embodied Multimodal Learning, ICLR	EML, ICLR 2021

- [9] Simulation and Selection of Detumbling Algorithms for a 3U CubeSat Vishnu P Katkoori, <u>Jivat Neet Kaur</u>, Tushar Goyal 70<sup>th</sup> International Astronautical Congress (Oral)
- [10] Language Model with External Knowledge Base Jivat Neet Kaur, Sumit Bhatia, Milan Aggarwal, Rachit Bansal, Balaji Krishnamurthy US Patent Application, 17/897,419
- [11] Generating Commonsense Context for Text using Knowledge Graphs Rachit Bansal, Milan Aggarwal, Sumit Bhatia, <u>Jivat Neet Kaur</u>, Balaji Krishnamurthy US Patent Application, 17/526,824

### Awards and Honors

Department of Computer Science Graduate Program Recruitment Award & Faculty of Arts and Science Doctoral Recruitment Award University of Toronto (*declined*)

Neubauer Graduate Scholarship Computer Science, University of Chicago (declined)

Annenberg Fellowship 2022-2023 Computer Science, USC Viterbi School of Engineering (declined)

**Spotlight at ICLR 2023** Paper accepted as notable-top-25% for oral presentation at ICLR 2023.

**Spotlight at SCIS, ICML 2022** 1 of 5 papers selected for oral spotlight presentation at ICML SCIS workshop.

**Microsoft Global Hackathon, 2022 | Third Place** Developed an Android application integrated with a braille reader to enhance digital exposure and improve braille literacy of children in schools for the blind.

Prof. V S Rao Foundation Best All-Rounder Award 2021 For excellence in academics, leadership, service, and sports.

Grace Hopper Celebration India (GHCI) Scholarship, 2020 Awarded travel grant to attend the GHCI conference.

International Conference on Small Satellites, 2019 | Third Position Student satellite project competition.

Institute Merit Scholarship, 2018 Awarded by Dean, BITS Pilani to top 2% students for exceptional academic excellence.

**Kishore Vaigyanik Protsahan Yojna (KVPY) Fellowship, 2016** Awarded to the top 2.5% students out of over 100,000 applicants by Dept of Science and Technology, Govt. of India as recognition of scientific research aptitude.

#### **Academic Service**

Reviewer	iewer ICML 2025, ICLR 2025, NeurIPS 2024, AAAI 2023, ICDM 2022 Workshop on Foundation Mode	
	Vision and Language	
Organizer	Machine Learning for Health (ML4H) 2024 (Outreach Subchair)	
Facilitator	WiML Un-Workshop @ ICML 2021	
Volunteer	NAACL 2022, NeurIPS 2021, EMNLP 2021, ACL 2021, ICML 2021	
Panelist	UC Berkeley Statistics Graduate School Information Panel	

#### Skills and Relevant Coursework

## Teaching and Leadership

Causal Machine Learning Reading Group, Microsoft Research India Founding Member	2021 - 2023	
> Started a weekly reading group to discuss research in causal inference, machine learning, and related areas.		
Child Rights and You (CRY) [@] Volunteer	2021 - 2023	
> Actively involved in conducting online classes and awareness sessions for children from low-income backgrounds.		
Data Mining (CS F415) Teaching and Lab Assistant		
> Conducted lab sessions and created learning resources in Python and IBM SPSS Modeler for the class.		

## Neural Networks and Fuzzy Logic (BITS F312) Teaching Assistant

> Designed coding assignments for over 150 students and conducted workshops on Python deep learning frameworks such as Tensorflow and PyTorch. Advised students in their research paper implementations; projects I mentored: 🗎 🗎

Scholarship Track [10] India Chapter Head and Global Lead Ambassador 2020 - 2021

> Led initiatives to make education and opportunities accessible by increasing awareness of scholarships and resources.

Team Anant (student satellite team) [10] Attitude Determination and Control Subsystem

> Team Anant is developing BITS Pilani's first nanosatellite. Implemented the BDot law to control the high angular velocity of the satellite after deployment; also worked on code optimization for On-board Computer system of the satellite.

#### Basketball Team Vice Captain

> Led the Girls' Basketball Team for Bits Open Sports Meet'18 (BOSM) - annual sports fest of BITS Pilani.

2018 - 2020

Fall 2018

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