

Gaurav Kamath

grvkamath.github.io | gaurav.kamath@mail.mcgill.ca

1085 Dr. Penfield, Room 111
Montreal, Quebec
H3A 1A7.

Education

McGill University / Mila – Quebec AI Institute

2022 - 2026 **PhD. in Linguistics**
Courses: Applied Machine Learning, Seminar in Semantics, Experimental Linguistics: Methods.
CGPA: 4.0/4.0

McGill University

2021 – 2022* **M.A. in Linguistics**
Courses: NLU with Deep Learning, Computational Linguistics, Natural Language to Data Science, Syntax 3, Phonology 3, Semantics 3, Semantics 4.
CGPA: 4.0/4.0

**(Unfinished; fast-tracked to PhD program)*

Ashoka University

2019 - 2020 **Postgraduate Diploma in Advanced Research Studies,
with a Second Major Equivalent in Philosophy**
CGPA: 3.91/4.0

2016 - 2019 **Bachelor of Arts in Politics, Philosophy and Economics**
CGPA: 3.59/4.0

Areas of Interest

Computational Linguistics, NLP, Semantics, Linguistic Analysis of Language Models.

Publications

(* denotes joint first-author contribution; ◇ denotes core, but not first-author contribution)

- [Semantic Change is Not Primarily a Generational Process](#) [2025]
Gaurav Kamath, Michelle Yang, Siva Reddy, Morgan Sonderegger, Dallas Card
In *Proceedings of the National Academy of Sciences of the United States of America*, 122(31).
- [Language Models Largely Exhibit Human-like Constituent Ordering Preferences](#) [2025]
Ada Tur*, Gaurav Kamath*, Siva Reddy

In *Proceedings of the 2025 Annual Conference of the North American Chapter of the Association for Computational Linguistics, (Volume 1: Long Papers)*, 2498–2521. 🏆 SAC Award for Linguistic Theories, Cognitive Modeling and Psycholinguistics.

- [DeepSeek R-1 Thoughtology: Let's think about LLM Reasoning](#) [2025]
Sara Vera Marjanović*, Arkil Patel*, ..., Amirhossein Kazemnejad◇, Gaurav Kamath◇, Marius Mosbach◇, Karolina Stańczak◇, Siva Reddy.
Under review at *Transactions on Machine Learning Research*.
- [Build the Web for Agents, not Agents for the Web](#) [2025]
Xing Han Lù, Gaurav Kamath, Marius Mosbach, Siva Reddy.
Submitted to NeurIPS 2025 (Position Paper Track).
- [Does Synthetic Data Help Named Entity Recognition for Low-Resource Languages?](#) [2025]
Gaurav Kamath, Sowmya Vajjala.
ArXiv preprint. arXiv:2505.16814.
- [Scope Ambiguities in Large Language Models](#) [2024]
Gaurav Kamath, Sebastian Schuster, Sowmya Vajjala, Siva Reddy
In *Transactions of the Association for Computational Linguistics*, 12, 738-754.
- [Does a Neural Language Model Understand the De Re / De Dicto Distinction?](#) [2023]
Gaurav Kamath*, Laurestine Bradford*
In *Proceedings of the Society for Computation in Linguistics*, 6(1), 69-84.

Talks and Presentations

- *Language Models Largely Exhibit Human-like Constituent Ordering Preferences* [June 2024]
[VIRTUAL TALK] 2025 Annual Conference of the North American Chapter of the Association for Computational Linguistics, Albuquerque, April 29th - May 4th, 2025.
- *Scope Ambiguities in Large Language Models* [June 2024]
[POSTER] 2024 Annual Conference of the North American Chapter of the Association for Computational Linguistics, Mexico City, June 16th-21st, 2024.
- *Does a Neural Language Model Understand the De re / De dicto Distinction?* [June 2023]
[TALK] With Laurestine Bradford. 6th Annual Meeting of the Society for Computation in Linguistics (SCiL), University of Massachusetts, Amherst, June 15th-17th.

- *Lexical Semantics for Expressives*
[May 2022]
[TALK] 14th Toronto-Ottawa-Montreal Semantics Workshop, Carleton University, June 15th-17th.

Teaching

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| Winter 2025 McGill University | Teaching Assistant <i>From Natural Language to Data Science</i> , with Prof. Siva Reddy & Prof. Morgan Sonderegger |
| Winter 2024 McGill University | Teaching Assistant <i>From Natural Language to Data Science</i> , with Prof. Siva Reddy & Prof. Morgan Sonderegger |
| Fall 2023 McGill University | Teaching Assistant <i>Introduction to Semantics</i> , with Prof. Brendan Gillon |
| Fall 2023 McGill University | Teaching Assistant <i>Introduction to Semantics</i> , with Prof. Brendan Gillon |
| Fall 2022 McGill University | Teaching Assistant <i>Introduction to Linguistics</i> , with Prof. Morgan Sonderegger |
| Monsoon 2021 Ashoka University | Teaching Fellow <i>Symbolic Logic</i> , with Prof. Raja Rosenhagen |
| Spring 2020 Ashoka University | Teaching Assistant <i>Existentialism and Ethics</i> , with Prof. Clancy Martin |
| Spring 2019 Ashoka University | Peer Tutor <i>Bad Music</i> , with Prof. Aditi Chaturvedi |
| Monsoon 2018 Ashoka University | Peer Tutor <i>Introduction to Critical Thinking</i> , with Prof. Amaan Shreyas |

Work Experience

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| May 2024 – Dec 2024 | Research Internship National Research Council Canada Montreal, Canada <ul style="list-style-type: none"> ◦ Research on the effectiveness of synthetic data for low-resource language Named Entity Recognition. |
| Jun 2022 – Aug 2022 | Summer Internship |

Mila – Quebec AI Institute
Montreal, Canada

- Research on linguistic analysis of large language models.

Jun 2019 – Aug 2019

Research Internship

Sattva Consulting
Bangalore, India

- Development sector research for projects with UNICEF and the Bill & Melinda Gates Foundation.

Languages

English (Native)

Python (Fluency)

Hindi (Conversational Fluency)

R (Fluency)

French (Conversational Fluency)

Linux Bash (Basic)

Kannada (Functional)

Dutch (Basic)