

**Ambreesh Parthasarathy**  
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Waterloo, Ontario, Canada

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## EDUCATION

**University of Waterloo** Waterloo, Ontario, Canada  
MASc, Electrical and Computer Engineering,  
Advisor: *Dr. Elliot Creager* *Ongoing*

**Shiv Nadar University** Delhi, India  
B.Tech., Computer Science,  
Minor: Sociology,  
GPA: 7.7/10 May 2021

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## AREAS OF INTEREST

- Generative Modeling
- Robust Representation Learning
- Reinforcement Learning
- Model Editing
- Causality (Pearlian)
- Algorithmic Fairness

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## AWARDS AND NOTABLE ACHIEVEMENTS

- Awarded the International Master's Award for Excellence (IMAE) by the Faculty of Engineering at UWaterloo.
- Qualified for the Indian National Mathematics Olympiad and was invited to be a part of the camp

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## PROFESSIONAL EXPERIENCE

**McKinsey & Co** Delhi, India  
*Solution Delivery Intern, Orpheus* (Jan 2021 – Sep 2021)

- As part of the spend analytics team, helped minimize running costs for major industry players. Helped clients cut down costs by up to 12%

- Was a part of the initial run of the Pharma Search Engine product.

## PUBLICATIONS

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- Multilinguality in LLM-Designed Reward Functions for Restless Bandits: Effect on Task Performance and Fairness, Ambreesh, et al. Accepted at the Deployable AI Workshop, AAAI 2024  
<<https://arxiv.org/abs/2501.13120v1>>
- Participatory Approaches in AI Development and Governance: A Principled Approach Parthasarathy, Ambreesh, et al. "Participatory Approaches in AI Development and Governance: A Principled Approach." *arXiv preprint arXiv:2407.13100* (2024).  
<<https://arxiv.org/abs/2407.13100>>
- Participatory Approaches in AI Development and Governance: Case Studies.: Parthasarathy, Ambreesh, et al. "Participatory Approaches in AI Development and Governance: Case Studies." *arXiv preprint arXiv:2407.13103* (2024).  
<<https://arxiv.org/abs/2407.13103>>

## KEY SKILLS

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### Proficient with the following

- Pytorch
- JAX
- Python

## OTHER WORK

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- Composed and scored the indie movie “Oranges in the Winter Sun”
- Represented SNU as a member of the basketball team
- VP and Convener of the Music Society and the Acapella group of SNU