Shivam Adarsh

PhD Student in Machine Learning

GitHub | Google Scholar | LinkedIn | Website

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Second-year PhD student with research interests in interpretability, AI Safety and reasoning in LLMs.

Education

2025 – now **PhD fellow in Computer Science**, University of Copenhagen, Denmark
Supervised by Christina Lioma and Maria Maistro in the Department of Machine Learning.

2022 – 2024 **MSc in Informatics**, University of Zurich, Switzerland
Major: Artificial Intelligence. Grade: 5.5 / 6.0.

2013 – 2018 **Integrated BSc+MSc in Mathematics and Computing**
Indian Institute of Technology, Kharagpur, India.

Publications

2026 **Adarsh**, Maistro & Lioma. *How Context Shapes Truth: Geometric Transformations of Statement-level Truth Representations in LLMs.* To appear in ACL 2026 Main. [Link]

2025 **Adarsh**, Shridhar, Gulcehre, Monath & Sachan. *SIKeD: Self-guided Iterative Knowledge Distillation for Mathematical Reasoning.* ACL 2025 Findings. [Link]

2024 **Adarsh**, Ash, Bechtold, Beebe & Fromer. *Automating Abercrombie: Machine Learning Trademark Distinctiveness.* Journal of Empirical Legal Studies, 2024. [Link].

2023 Loued-Khenissi, Pfeiffer, Saxena, **Adarsh** & Scaramuzza. *Microgravity Induces Overconfidence in Perceptual Decision-Making.* Scientific Reports, Nature, 2023. [Link]

Work Experience

2024 **Research Assistant**, ETH Zurich, Switzerland
Department of Management, Technology and Economics. Utilising time-series-based Transformers to predict customer interactions.

2023 **Scientific Assistant**, Lucerne University of Applied Sciences and Arts, Switzerland
Information Systems Lab. Contributed to AI Music Generation System producing 30-second compositions from input lyrics.

2018 – 2022 **Data Scientist**, Fidelity Investments, Bengaluru, India
Developed sequential recommender systems using stacked LSTM for customer interaction prediction. Contributed to in-house Model Interpretation Toolkit using SHAP, LIME, and LRP.

Teaching and Supervision Experience

2026 **Bachelors Thesis Supervisor**, University of Copenhagen

2025, 2026 **Teaching Assistant**, Search Engines, University of Copenhagen

2024 **Teaching Assistant**, Machine Learning for NLP-1, University of Zurich

Technical Skills

Languages Python, R, Java, C, C++

Tools Pytorch, Tensorflow, Huggingface, Git, Pyspark, NLTK, scikit-learn, Pandas, Data visualization (Matplotlib), spaCy, wandb