

# INDERJEET NAIR

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## INTERESTS

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Natural Language Processing, Structured Commonsense Reasoning, Argument Mining, Information Extraction, Document Intelligence, LLM Alignment, AI for Education

## EDUCATION

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- **Pursuing Ph.D. in Computer Science, University of Michigan, Ann Arbor** Aug 2023 - Current  
Advisor: Prof. Lu Wang
- **Bachelor of Technology, Indian Institute of Technology Bombay** July 2017 - April 2021  
Major in Electrical Engineering and Minor in Computer Science and Engineering  
Cumulative GPA: **9.56/10.00**

## PUBLICATIONS

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- [1] **Inderjeet Nair**, Lu Wang, **Do Language Models Think Consistently? A Study of Value Preferences Across Varying Response Lengths**. [LINK], In *Findings of the Association for Computational Linguistics (ACL '26)*, 2026.
- [2] Jie Ruan\*, **Inderjeet Nair\***, Shuyang Cao\*, Amy Liu, Sheza Munir, Micah Pollens-Dempsey, Tiffany Chiang, Lucy Kates, Nicholas David, Sihan Chen, Ruxin Yang, Yuqian Yang, Jasmine Gump, Tessa Bialek, Vivek Sankaran, Margo Schlanger, Lu Wang, **ExpertLongBench: Benchmarking Language Models on Expert-Level Long-Form Generation Tasks with Structured Checklists**, In *International Conference on Learning Representations (ICLR' 26)*, 2026. [LINK]
- [3] **Inderjeet Nair**, Jiaye Tan, Xiaotian Su, Anne Gere, Xu Wang, Lu Wang, **Learning to Generate Writing Feedback via Language Model Simulated Student Revisions**, In *Proceedings of the Empirical Methods in Natural Language Processing (EMNLP '24)*, 2024. [LINK]
- [4] **Inderjeet Nair**, Lu Wang, **MIDGARD: Self-Consistency Using Minimum Description Length for Structured Commonsense Reasoning**, In *Proceedings of the Association for Computational Linguistics (ACL '24)*, 2024. [LINK] [Oral Presentation, Winner of Area Chair's Award]
- [5] **Inderjeet Nair\***, Shwetha S.\*, Apoorv Saxena, Koustava Goswami, **Drilling Down into the Discourse Structure with LLMs for Long Document Question Answering**, In *Findings of the Empirical Methods in Natural Language Processing (EMNLP '23)*, 2023. [LINK]
- [6] **Inderjeet Nair**, Natwar Modani. **Exploiting Language Characteristics for Legal Domain-Specific Language Model Pretraining**. In *Findings of the European Chapter of the Association For Computational Linguistics (EACL '23)*, 2023. [LINK]
- [7] **Inderjeet Nair**, Aparna Garimella, Balaji Vasana Srinivasan, Natwar Modani, Niyati Chhaya, Srikrishna Karanam, Sumit Shekhar. **A Neural CRF-based Hierarchical Approach for Linear Text Segmentation**. In *Findings of the European Chapter of the Association For Computational Linguistics (EACL '23)*, 2023. [LINK]
- [8] Aishwarya Agarwal\*, Anuj Srivastava\*, **Inderjeet Nair\***, Swasti Shreya Mishra\*, Vineeth Dorna\*, Sharmila Reddy Nangi, Balaji Vasana Srinivasan. **SketchBuddy: Context-Aware Sketch Enrichment and Enhancement**. In *Proceedings of the 14th Conference on ACM Multimedia Systems (MMSys '23)*, 2023. [LINK]
- [9] Shubham Anand Jain\*, Rohan Shah\*, Sanit Gupta<sup>†</sup>, Denil Mehta<sup>†</sup>, **Inderjeet Nair<sup>†</sup>**, Jian Vora<sup>†</sup>, Sushil Khyalia, Sourav Das, Vinay J Ribeiro, Shivaram Kalyanakrishnan. **PAC Mode Estimation using PPR Martingale Confidence Sequences**. In *International Conference on Artificial Intelligence and Statistics (AISTATS '22)*, 2022. [LINK]
- [10] Natwar Modani, Anurag Maurya, Gaurav Verma, **Inderjeet Nair**, Vaidehi Patil, Anirudh Kanfode. **Detecting Document Versions and Their Ordering in a Collection**. In *International Conference on Web Information Systems Engineering 2021 (WISE '21)*, pages 405-419, Springer, Cham, 2021. [LINK] [Best Paper Runner-up Award]

## PREPRINTS

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- [1] **Inderjeet Nair**, Jie Ruan, Lu Wang, **Value-Conflict Diagnostics Reveal Widespread Alignment Faking in Language Models**. [LINK][Awarded Best Student Paper Award at MSLD 2026]

[2] Manan Gupta, **Inderjeet Nair**, Lu Wang, Dhruv Kumar, **Context Over Content: Exposing Evaluation Faking in Automated Judges**. [LINK]

## PATENTS

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- [1] **Inderjeet Nair**, Anirudh Phukan, Aravind Veluri, Lakshya J., Mohar Kundu, Akhash Amarnath, Niyati Chhaya, Sumit Shekhar. **Reflowing Infographics for Enhanced Cross-Device Consumption** [Accepted For Filing]
- [2] **Inderjeet Nair**, Akshay Singhal, Kumud Lakara, Pritika Ramu, Vikas Balani, Anandhavelu N. **Minimally Guided Semantic Extraction** [Accepted for Filing]
- [3] **Inderjeet Nair**, Natwar Modani. **Exploiting Legal Domain Characteristics for Legal Language Model Pretraining** [Accepted for Filing]
- [4] **Inderjeet Nair**, Natwar Modani. **Integrated Reading Experience for Contracts and their Amendments** [Filed] (US Patent App. 17/954,558)
- [5] Ayush Maheshwari, **Inderjeet Nair**, Navita Goyal, Natwar Modani, Ani Nenkova. **Assisted Review of Text Content using a Machine Learning Model** [Filed] (US Patent App. 17/549,270)
- [6] Natwar Modani, Vaidehi Patil, **Inderjeet Nair**, Gaurav Verma, Anurag Maurya, Anirudh Kanfode. **Systems for Generating Indications of Relationships between Electronic Documents** [Filed] (US Patent App. 17/534,744)

## WORK EXPERIENCE

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- **Research Intern - Bloomberg CTO Office** May 2025 - Aug 2025  
*Topic:* Synthetic Data Generation for Tool Calling *Sebastian Gehrmann, David Rosenberg, Mark Dredze*
  - \* Proposed an LLM based data generation framework for synthesizing complex data points for agentic applications involving extremely long tool calling trajectories
  - \* Demonstrated improved reasoning and model performance by training the models over our synthetic dataset
- **Research Associate - Adobe Inc. (Big Data Intelligence Lab)** Jul 2021 - Aug 2023  
*Group:* Multimodal Content Group *Bangalore, India*
  - \* Engaged in several projects involving Document Intelligence, Natural Language Processing, Legal AI
  - \* Ideated several industrial use cases that were well received by business executives and developed accurate and efficient machine learning algorithms for them
  - \* Submitted papers, filed patents, gave talks on my projects, and ran tutorials that everyone found helpful
- **Research Intern - Adobe Inc. (Big Data Intelligence Lab)** Apr 2020 - Jul 2020  
*Topic:* Document Families: Finding Lexical and Semantic Relations between Documents *Natwar Modani, Gaurav Verma*
  - \* Designed a robust and performant framework for detecting version, prerequisite, and similarity relations among documents
  - \* Formulated a **topic-modeling** based approach to determine dependency relations between documents without using an external knowledge base
  - \* Bagged **Best Paper Runner-up Award at WISE '21** and filed a patent

## SKILLS

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- **Languages** Python, C++, Javascript, Typescript, MATLAB, VHDL
- **Packages and Frameworks** Pytorch, Pytorch Lightning, Huggingface Transformers and Datasets, Tensorflow, ReactJS, React Native, NodeJS, Express, MongoDB, Redux

## SCHOLASTIC ACHIEVEMENTS

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- Awarded with **Rackham International Students Fellowship/Chia-Lun Lo Fellowship** 2024
- Secured **5<sup>th</sup>** rank in MHT-CET among 3,89,520 participants 2017
- Offered fellowship under Kishore Vaigyanik Protsahan Yojana (KVPY), conducted by Department of Science and Technology, Government of India, with **All India Rank 249** 2017
- Secured **99.195** Percentile in JEE Advanced 2017 out of 1,59,540 candidates and placed in top **0.1%** of JEE Mains 2017 among 12,00,000 applicants 2017
- Ranked in **national top 1%** in National Standard Examination in Physics and placed in **statewise top 1%** in National Standard Examination in Chemistry 2016-17