

Kinshuk Vasisht

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🌐 [kinshuk-h](https://github.com/kinshuk-h)
in [kinshuk-vasisht](https://github.com/kinshuk-h)

EDUCATION

Indian Institute of Science, Bengaluru, India
Ph.D. Computer Science & Engineering, 2023 —
Department of Computational and Data Sciences
Advisor: *Prof. Danish Pruthi*

Year 1–2, 2023–25

CGPA: 9.2 / 10

University of Delhi, Delhi, India

M.Sc. in Computer Science, 2021–2023

CGPA: 9.70 / 10 (Univ. Rank 1)

B.Sc. (H) Computer Science, 2018–2021

CGPA: 9.82 / 10 (Univ. Rank 3)

PUBLICATIONS

The Role of Compositions for Cross-Lingual Knowledge Transfer 2025-
Kinshuk Vasisht, *Prarabdh Shukla*, *Danish Pruthi*

- Devised a controlled setup to attribute the role of data compositions towards cross-lingual knowledge transfer.
- Findings highlight the diminishing returns of increasing parallel data, the utility of knowledge dispersion and the equitable benefits for knowledge transfer by use of language mixing.
- Under review for ARR, January 2026.

Knowledge Graph Guided Evaluation of Abstention Techniques 2024
Kinshuk Vasisht, *Navreet Kaur*, *Danish Pruthi*

- Developed a benchmark to evaluate techniques used to enforce abstention in language models, grounded in a knowledge graph (KG). Aims to assess effectiveness, generalization and specificity of these techniques.
- Focus on benign concepts from a KG allows isolating the effects of safety training, while leveraging the hierarchy of concepts from the KG allows evaluating generalization and specificity of abstention techniques.
- Published in *Main Conference of NAACL 2025*:
<https://aclanthology.org/2025.naacl-long.353>
- Project Repository: <https://github.com/kinshuk-h/SELECT>

Uncovering Geographical Disparities in Generated Stories and Travel Recommendations 2024
Kirti Bhagat, Kinshuk Vasisht, *Danish Pruthi*

- Quantified geographical disparities that surface in real-world applications for widely deployed language models, focusing on travel recommendations and story generation.
- Published in *Findings of NAACL 2025*:
<https://aclanthology.org/2025.findings-naacl.262>

Infusing Knowledge into Language Models with Contextual Prompts 2023
Kinshuk Vasisht, *Balaji Ganesan*, *Vikas Kumar*, *Vasudha Bhatnagar*

- Infused knowledge in language models by using sentences retrieved from a knowledge-rich corpus during fine-tuning, alleviating the need for structured knowledge sources.
- Major Dissertation for M.Sc. Computer Science at University of Delhi, in collaboration with **IBM**, as part of the Global Remote Mentoring program.
- Published in *Proceedings of ICON 2023*: <https://aclanthology.org/2023.icon-1.65>

EXPERIENCE

Internship @ Google DeepMind India, Bengaluru Jun-Aug 2025
Host: Vihari Piratla

- Interned as a Student Researcher at Google DeepMind India, focusing on improving multilingual evaluations for foundational models such as Gemini.

PROJECTS

Paragraph Curation for Legal Text Analytics Jul-Dec 2022

- Curated a dataset of paragraphs extracted from judgments scraped from the websites of Indian Courts, intended for building models for legal text analytics.

	<ul style="list-style-type: none"> • Minor Dissertation for M.Sc. Computer Science at University of Delhi, under <i>Prof. Vasudha Bhatnagar</i> in collaboration with the Faculty of Law. • Project repository: https://github.com/kinshuk-h/LT-Crawler 	
	Filesystem Operations - fsop <ul style="list-style-type: none"> • C++ project for demonstrating filesystem operations using system calls. • Includes a self-written implementation of an argument parser. • Project repository: https://github.com/kinshuk-h/fsop 	Feb 2022
	MorForm <ul style="list-style-type: none"> • Android application using OpenCV for form management: scan images as PDF forms and maintain data for identified fields. • Project repository: https://bitbucket.org/kinshuk-h/morform 	2019
TEACHING EXPERIENCE	Teaching Assistant , Indian Institute of Science, Bengaluru, India <ul style="list-style-type: none"> • Supported the DS-207: Introduction to NLP course by conducting tutorial sessions, grading assignments, and providing one-on-one assistance to students, enhancing their understanding of NLP concepts and applications. • Developed an automatic evaluation utility for grading assignments for the course: https://github.com/kinshuk-h/autoval 	Jan–Apr 2024
	Teaching Assistant , Indian Institute of Science, Bengaluru, India <p>Assisted in the delivery of the DS-307: Ethics in AI course, facilitating discussions on ethical considerations in AI development and implementation.</p>	Aug–Dec 2024
ACCOLADES & EXTRA-CURRICULARS	Junior Research Fellowship <p>Cleared UGC-NET with JRF Fellowship, awarded to the top 10% of applicants which clear the exam.</p>	Dec 2022 Score: 206/300
	DataThon - IndoML 2022, IIT Gandhinagar <p>Developed a model for document type classification from an image-only dataset (RVL-CDIP) using BERT over OCR-recognized text, with the use of coarse region information to improve accuracy. Ranked 4th amongst 106 teams.</p>	
SKILLS	Languages: C, C++, Python, Java, JavaScript, Bash, SQL, L ^A T _E X. Frameworks & Libraries: PyTorch, TensorFlow, transformers Relevant Courses: Introduction to Causality Models, Stochastic Models and Applications, Topics in Artificial Intelligence, Machine Learning, Deep Learning, Data Mining	