

Kinshuk Vasisht

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EDUCATION

Indian Institute of Science, Bengaluru, India
Ph.D. Computer Science & Engineering, 2023-
Advisor: *Dr. Danish Pruthi*

University of Delhi, Delhi, India
M.Sc. in Computer Science, 2021-2023
B.Sc. (H) Computer Science, 2018-2021

CGPA: 9.704
CGPA: 9.818

PROJECTS

Evaluating Factual Knowledge of Language Models 2023-

- Ongoing project aimed towards understanding the extent of knowledge in large language models, assessing capabilities beyond simple recall.

Infusing Knowledge into Language Models with Contextual Prompts Feb 2023-June 2023

- Approached knowledge infusion by leveraging context comprising of sentences retrieved from a supporting corpus, alleviating the need for structured knowledge sources.
- Major Dissertation for M.Sc. Computer Science at University of Delhi, under *Prof. Vasudha Bhatnagar* and *Dr. Vikas Kumar*, in collaboration with *Mr. Balaji Ganesan* from IBM.
- Published as a short paper in Proceedings of the International Conference on Natural Language Processing (ICON), 2023.

Paragraph Curation for Legal Text Analytics July 2022-December 2022

- Curated a dataset of paragraphs extracted from judgments scraped from the websites of Indian Courts
- Minor Dissertation for M.Sc. Computer Science at University of Delhi, under *Prof. Vasudha Bhatnagar* in collaboration with the Faculty of Law at University of Delhi
- <https://github.com/kinshuk-h/LT-Crawler>

Attendance Management System

- Flask+MySQL application for Attendance Management
- <https://github.com/kinshuk-h/attendance>

Filesystem Operations - fsop

- C++ project for demonstrating filesystem operations using system calls. Includes a self-written implementation of an argument parser.
- <https://github.com/kinshuk-h/fsop>

MorForm

- Android application using OpenCV for form management: scan images as PDF forms and maintain data for identified fields
- <https://bitbucket.org/kinshuk-h/morform>

ACCOLADES & EXTRA-CURRICULAR

Junior Research Fellowship
Qualified UGC-NET with JRF Fellowship

Score: 206/300

DataThon - IndoML 2022, IIT Gandhinagar

Developed a model for document classification over RVL-CDIP using BERT over OCR data, incorporating coarse region information to improve accuracy and SHAP for explainability. Ranked 4th amongst 106 teams.

SKILLS

Languages: C, C++, Python, Java, JavaScript, Android (Java), Bash, SQL, L^AT_EX.
Frameworks: PyTorch, TensorFlow