



Ruchira Dhar

Date of birth: 19/12/1997 | **Nationality:** Indian | **Gender:** Female |

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WORK EXPERIENCE

09/02/2022 – 30/06/2023 Helsinki, Finland

ANALYTICAL LINGUIST (AI TEAM) FLOWRITE OY

1. Working with SOTA LLMs including analytical prompting methods, in-context learning, and fine-tuning.
2. Research-based evaluation of NLG outputs using insights from psycholinguistics, automated metrics, and human evaluation.
3. Working with different Deep Learning and Machine Learning Algorithms for the preprocessing and postprocessing of NLG Outputs

10/05/2021 – 05/02/2022 Pune, India

SPEECH EXPERT (NLG TEAM) CERENCE INC

1. Performed development of speech and text-based NLG pipelines for over 21 languages
2. Developed expertise in heuristics NLG methodologies and mastered working with over 10 internal tools in a short span.
3. Established work processes for cross-linguistic work with native speakers across the globe.

04/01/2021 – 06/05/2021 Hyderabad, India

ASSOCIATE ENGINEER (NLP ANALYST) KORE AI

1. Ideation, development, and deployment of chatbots for US-based clients of different industries.
2. Gained skills in dialogue development, conversational analysis, ontology creation, and applying the latest technology to practical business requirements.
3. Researched and implemented parts of the NLG pipeline like intent recognition, ontology development, and pos-tagging using libraries like NLTK and Spacy.

19/09/2020 – 11/12/2020 Delhi, India

JUNIOR RESEARCH FELLOW (LINGUISTICS) INDIAN INSTITUTE OF TECHNOLOGY DELHI

1. Worked with peer researchers in developing better insights into annotation techniques
2. Attended classes and assisted professors in the areas of computational linguistics & psycholinguistics

EDUCATION AND TRAINING

01/08/2018 – 29/06/2020 Hyderabad, India

MA IN LINGUISTICS The English and Foreign Languages University

Address Tarnaka, 500007, Hyderabad, India | **Website** <https://www.efluniversity.ac.in/> |

Field of study Arts and humanities | **Final grade** Outstanding |

Thesis Thesis: "Navigating Truth Value Gaps: A Function Alteration Approach to The Analysis of Nominal Modification". Area- Mathematical Linguistics and Semantics. Supervisor- Dr Utpal Lahiri (Assoc. Professor, EFLU & PhD, MIT).

Website <https://www.caluniv.ac.in/>

● LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
HINDI	C1	B2	C2	C2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Programming

Python | R | SQL | HTML

NLP

Pandas | Spacy | Machine Learning Basics | Tensorflow | Scikit-Learn

● ADDITIONAL INFORMATION

CONFERENCES AND SEMINARS

08/08/2022 – 19/08/2022 – National University of Galway, Ireland

European Summer School of Logic, Language and Information (ESSLLI) Attended the summer school and participated in following courses:

1. Daniel Lassiter (Edinburgh University) and Thomas Icard (Stanford University). Causal Models in Linguistics, Philosophy, and Psychology
2. Paul Dekker (ILLC, Amsterdam). Outline of a Theory of Interpretation
3. Fausto Carracci and Jakub Szymanik (ILLC, Amsterdam). Computational Approaches to the Explanation of Universal Properties of Meaning
4. Tim Van De Cruys (KU Leuven). A Linguist's Guide to Neural Networks

Links <https://2022.essli.eu/> | https://drive.google.com/file/d/1bhAStNdHlefA2MAYZSuffDglvXY8Ptt9/view?usp=share_link

29/10/2019 – 31/10/2019 – INALCO, Paris, France

South Asian Languages Analysis Roundtable (SALA) Presented a paper at the conference titled “*The Bangla Sprachraum: Dialect Continuum from West Bengal to Assam via Bangladesh*”

Links <https://sala-35.sciencesconf.org/> | https://drive.google.com/file/d/1Nwx0BQCMdrP8Y5vyAgMqBObuUgYx5uTv/view?usp=share_link

HONOURS AND AWARDS

08/01/2020

Junior Research Fellowship in Linguistics – University Grants Commission, Government of India

Received a prestigious research grant of INR 30,000 per month by appearing for a national-level examination in Linguistics during studying for my Master's degree. Qualification in the exam also makes one eligible for posts of Assistant Professor in all government-recognized institutes across India.

Link https://drive.google.com/drive/folders/1TOospBxSe4rrX6p61Pu1fnrT7BvmHQNT?usp=share_link

VOLUNTEERING

01/04/2017 – 01/12/2017 Leiden University, Netherlands (Remote)

Online Forum Volunteer (Linguistics Course on Coursera) Mentoring learners and regulating them on the MOOC 'Miracles of Human Language' by Leiden University on Coursera.