

# Dikshya Mohanty

PHD CANDIDATE · COMPUTER SCIENCE, STONY BROOK UNIVERSITY

✉ dimohanty@cs.stonybrook.edu | 🏠 www.dikshyamohanty.com/ | 📷 dikshyam

## Education

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### **Stony Brook University**

PHD, COMPUTER SCIENCE

- Advisor: Dr. Niranjan Balasubramanian
- Research Areas: LLMs for Social and Scientific Applications, Human Language Modeling

*Stony Brook, USA*

*Aug 2024 - present*

### **University of North Carolina at Charlotte**

MS, DATA SCIENCE & BUSINESS ANALYTICS

- Research Areas: Social Media Analytics

*North Carolina, USA*

*August 2018 - December 2019*

### **Indira Gandhi Institute of Technology, Sarang**

BTECH, COMPUTER SCIENCE

- Research Areas: Machine Learning, Computer Vision

*Odisha, India*

*July 2012 - June 2016*

## Publications

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### ACCEPTED PAPERS

Nikita Soni, Dhruv Vijay Kunjadiya, Pratham Piyush Shah, **Dikshya Mohanty**, H. Schwartz, Niranjan Balasubramanian. 2026. Addressing the Ecological Fallacy in Larger LLMs with the Author's Context. To Appear in the Proceedings of the 30th Conference on Computational Natural Language Learning.

**Dikshya Mohanty**, Taisiia Sabadyn, Jelwin Rodrigues, Chenlu Wang, Abhishek Kalugade, Ritwik Banerjee. A Longitudinal, Multinational, and Multilingual Corpus of News Coverage of the Russo-Ukrainian War. To Appear in the Proceedings of the 15th Language Resources and Evaluation Conference.

Victor Zitian Chen, Wlodek Zadrozny, **Dikshya Mohanty**. 2019. Construct Identification and Causal Mapping of the Business/Management Literature. In Proceedings of the General Session INFORMS Annual Meeting 2019.

### IN PREPARATION

**Dikshya Mohanty**, Mohammad Saqib Hasan, Syed Mostofa Monsur, Size Zheng, Benjamin Hsiao, Niranjan Balasubramanian. 2026. Teaching and Evaluating LLMs to Reason About Polymer Design Related Tasks. Under Review at the ACL Rolling Review May Cycle 2026.

August Nilsson, **Dikshya Mohanty**, Siddharth Mangalik, Ryan Boyd, Andrew Schwartz. 2026. Discovering the Language Factor: A Basic Human Trait Rooted in Language.

Manoj Praveen Nandigama, **Dikshya Mohanty**, Kuldeepsinh Raj, Sourav Maiti, Srinivasa Phani Madhav, Mounika Geriki, Jasper Stackawitz, George Mirgorodskiy, Maggie Li, Ray Zhang, Albert Huang, Niranjan Balasubramanian, Nav Nidhi Rajput. 2026. Benchmarking LLMs on extraction of Battery Electrolytes properties from Literature.

**Dikshya Mohanty**, Niranjan Balasubramanian. 2026. Measuring Novelty and Diversity in LLM Reasoning for Polymer Design.

### BOOK CHAPTERS

Bimal Prasanna Mohanty, **Dikshya Mohanty**, Tandrima Mitra, Satabdi Ganguly, Arabinda Mahanty, Sasmita Mohanty, and D. Karunakaran. 2020. Big Data and Omics Technology in Fisheries Biology: New Approaches and Changing Perspectives. Book Chapter, November 2020.

## Professional Experience

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- Jan 2025 - Present **Research Assistant**, Stony Brook University, Stony Brook, NY
- Jan 2020 - Aug 2024 **Manager - Lead Data Scientist**, Ernst and Young LLP, Chicago, IL
- Jan 2019 - Dec 2019 **Graduate Teaching Assistant**, University of North Carolina, Charlotte, NC
- Summer 2019 **Applied Science Intern, Seller Lending**, Amazon.com, Seattle, WA
- Jul 2016 - Jul 2018 **Data Science Developer**, Tata Consultancy Services, Pune, MH
- Summer 2015 **Research Intern**, Indian Institute of Technology Kharagpur, WB

## Awards

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- 2022-2023 **Ovation Award, EY FY2022-FY2023**, Awarded by Americas Technology Leader - Top 5% performers of all employees at EY
- 2020 **AI Challenge, EY FY2020**, First place for developing a solution to draw insights from Covid data challenge on Kaggle using FastAI
- 2020-2023 **Bravo Awards, EY FY2020-FY2023**, Won Bravo Awards for exceptional performance on projects in every quarter of FY20, FY21, FY22 and FY23
- 2019 **Outstanding Academic Standing**, UNCC - Among the top 1% of class at School of Data Science, Batch of 2019
- 2015 **Best Intern Award**, IIT Kharagpur - Awarded with cash prize

## Teaching Experience

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- Fall 2024 **CSE 354 - Natural Language Processing**, Teaching Assistant *Stony Brook, NY*
- Spring 2019 **DSBA 6156 - Applied Machine Learning**, Graduate Teaching Assistant *Charlotte, NC*
- Fall 2019 **DSBA 6201 - Business Intelligence Analytics**, Graduate Teaching Assistant *Charlotte, NC*
- Fall 2019 **DSBA 6100 - Big Data for Competitive Advantage**, Graduate Teaching Assistant *Charlotte, NC*

## Service and Outreach

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- 2020-2023 **Women in Data**, Chapter Lead *Chicago, IL*
- 2021-2023 **Women in Data**, Mentor *Chicago, IL*
- 2023 **Carnegie Mellon University**, Project Supervisor through EY (NLP Class Project) *Remote*
- 2023 **Brooklyn College**, Project Supervisor (CISC-4900, Prof. Chuang) *Remote*
- 2022-2023 **New Start Career Network**, Career Coach *New Jersey*

## Presentations

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- Dikshya Mohanty**. 2024. *Teaching and Evaluating LLMs to Reason About Polymer Design Related Tasks*. Hsiao Research Group, Stony Brook University, Stony Brook, NY.
- Dikshya Mohanty**. 2024. *Machine Learning and Natural Language Processing Applications in Tax and Finance*. Guest Lecture: University of California San Diego, San Diego, CA.
- Dikshya Mohanty**. 2024. *Machine Learning and Natural Language Processing Applications in Tax and Finance*. Guest Lecture: American University, Washington, DC.
- Dikshya Mohanty**. 2023. *Transformer-Based Models and Applications in Tax Domain*. Guest Lecture: University of California San Diego, San Diego, CA.
- Dikshya Mohanty**. 2023. *Machine Learning Algorithms and Applications in Tax and Finance*. Guest Lecture: LL.M. in U.S. Law Class, University of Florida, Gainesville, FL.
- Dikshya Mohanty**. 2022. *Preparing for Data Science Interviews in Technology Consulting*. Guest Speaker: Women in Data, Online.

**Dikshya Mohanty**. 2021. *Python for Data Science: Hands-on Lab with NumPy and Pandas*. Guest Speaker: Women Who Code, Online.

## References

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1. Niranjan Balasubramanian. Associate Professor, Stony Brook University. [niranjan@cs.stonybrook.edu](mailto:niranjan@cs.stonybrook.edu)
2. Ivan Roussev. Senior Manager, Ernst & Young LLP, US. [ivan.roussev@ey.com](mailto:ivan.roussev@ey.com)
3. Benjamin S. Hsiao. Distinguished Professor of Chemistry, Stony Brook University. [benjamin.hsiao@stonybrook.edu](mailto:benjamin.hsiao@stonybrook.edu)