

# Rohan Das

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## RESEARCH INTERESTS

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Natural Language Processing, Knowledge Discovery, Computational Discourse, Narrative Understanding

## EDUCATION

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### University of Colorado Boulder

*Ph.D. in Computer Science*

- Advisor: Dr. Maria L. Pacheco

Boulder, CO

Jan 2024 – May 2028 (expected)

### University of Colorado Boulder

*M.S. in Computer Science (Research Track)*

- Advisors: Dr. Katharina von der Wense and Dr. Maria L. Pacheco
- Fully funded through Teaching Assistantships

Boulder, CO

Aug 2021 – May 2024

### Institute of Engineering & Management

*B.Tech. in Information Technology*

- Maulana Abul Kalam Azad University of Technology

Kolkata, India

Aug 2011 – Jun 2015

## PUBLICATIONS

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### Peer-Reviewed

1. **Rohan Das**, Advait Deshmukh, Alexandria Leto, Zohar Naaman, I-Ta Lee, and Maria Leonor Pacheco. “[A Structured Clustering Approach for Inducing Media Narratives](#)”. In: *Proceedings of the 64th Annual Meeting of the Association for Computational Linguistics (ACL)*. 2026. [CORE: A\* · Acceptance rate: 19%].
2. Alvin Po-Chun Chen<sup>\*</sup>, **Rohan Das**<sup>\*</sup>, Dananjay Srinivas<sup>\*</sup>, Alexandra Barry, Maksim Seniw, and Maria Leonor Pacheco. “[Studying the Effects of Collaboration in Interactive Theme Discovery Systems](#)”. In: *Proceedings of the 64th Annual Meeting of the Association for Computational Linguistics (ACL)*. 2026. URL: <https://arxiv.org/abs/2408.09030>. [CORE: A\* · Acceptance rate: 19%].
3. **Rohan Das**, Aditya Chandra, I-Ta Lee, and Maria Leonor Pacheco. “[Media Framing through the Lens of Event-Centric Narratives](#)”. In: *Proceedings of the 6th Workshop on Narrative Understanding (WNU)*. 2024. DOI: 10.18653/v1/2024.wnu-1.15.
4. Dananjay Srinivas<sup>\*</sup>, **Rohan Das**<sup>\*</sup>, Saeid Tizpaz-Niari, Ashutosh Trivedi, and Maria Leonor Pacheco. “[On the Potential and Limitations of Few-Shot In-Context Learning to Generate Metamorphic Specifications for Tax Preparation Software](#)”. In: *Proceedings of the 5th Natural Legal Language Processing Workshop (NLLP)*. 2023. DOI: 10.18653/v1/2023.nllp-1.23.

### Peer-Reviewed without Published Proceedings

1. Aditya Chandra, **Rohan Das**, Chih-Hao Fang, I-Ta Lee, and Maria Leonor Pacheco. “[A Narrative Graph Approach for Analyzing Framing in News Articles](#)”. *New Directions in Analyzing Text as Data (TADA)*. 2023.

\* denotes equal contribution

## RESEARCH EXPERIENCE

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**University of Colorado Boulder | Graduate Researcher** Boulder, CO  
*BLAST Lab (Dr. Maria L. Pacheco)* *Jul 2023 – Present*

- Working on problems in narrative understanding, computational discourse, and knowledge discovery.

**University of Colorado Boulder | Graduate Researcher** Boulder, CO  
*NALA Lab (Dr. Katharina von der Wense)* *Sep 2021 – Sep 2023*

- Built tools for low-resource languages by grounding large language models in linguistic theory for downstream tasks like machine translation and coreference resolution.

## TEACHING

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**University of Colorado Boulder | Instructor of Record** Boulder, CO  
*Department of Computer Science* *May 2022 – Jul 2022*

- CSCI 3308: Software Development Methods and Tools, one of seven required foundation courses for the BS in Computer Science at CU Boulder.

**University of Colorado Boulder | Graduate Teaching Assistant** Boulder, CO  
*Department of Computer Science* *Aug 2021 – May 2025*

- CSCI 4308/4318: Software Engineering Project (A.Y. 2021–22, 2022–23, 2023–24, 2024–25)
- CSCI 3308: Software Development Methods and Tools (Summer 2023, 2024)

## INDUSTRY EXPERIENCE

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**Hyland | Developer 3** Kolkata, India  
*Full Stack Developer, Financial Process Automation* *Jul 2015 – Jun 2021*

- Worked on an industry-leading FPA product suite generating over USD 50M in annual revenue.
- Built Hyland’s microservices-based FPA Services layer using event-driven architecture with domain-driven design and CQRS, supporting multi-tenancy and multi-ERP.
- Built end-to-end Accounts Payable automation integrating Infor APIA and Infor FSM with Perceptive Content and OnBase (Hyland’s flagship ECM products).
- Designed and built from scratch an integration of Brainware (capture product) with Perceptive Content.
- Contributed to Hyland UI, a proprietary Angular-based UI framework; built a high-performance data grid with smooth scrolling for unlimited columns and rows.

## HONORS & AWARDS

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**Departmental Summer Research Fellowship, University of Colorado Boulder** 2025  
• Departmental research funding for Summer 2025 (\$6,000).

**Lloyd Botway Fellowship, University of Colorado Boulder** 2023  
• Awarded to an outstanding Master’s student for excellence in academics, research, teaching, and service (\$400).

**Computer Science Endowed Founder’s Fellowship, University of Colorado Boulder** 2022  
• Awarded to stellar graduate students for excellence in academics, research, teaching, and service (\$500).

**Outstanding Service Award, University of Colorado Boulder** 2023  
• Recognition for outstanding service to the Computer Science department (\$500).

- Account Aggregator Hackathon Winner, DigiSahamati Foundation** 2020
- Won in the special interest category at India’s inaugural Account Aggregator Hackathon for [Knox](#), a FaaS-based virtual data room provider (₹50,000).

## GRANTS & TRAVEL AWARDS

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- CU Boulder Computer Science Department Travel Grant (\$1,500) 2026
- CU Boulder Graduate and Professional Student Government Travel Grant (\$500) 2024
- New Directions in Analyzing Text as Data (TADA) Travel Grant (\$800) 2023

## SERVICE

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### Peer Review

- *Reviewer:* ACL Rolling Review, IC2S2, Workshop on NLP 4 Democracy

### Departmental Service

- Graduate student representative, Executive Committee, CS Department, CU Boulder 2022–2023
- Graduate student representative, Faculty Search Committee, CS Department, CU Boulder 2022–2023

## TECHNICAL SKILLS

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**Languages:** Python, Java, JavaScript, TypeScript, C#  
**ML/NLP:** PyTorch, Hugging Face Transformers, scikit-learn, NumPy, spaCy, NLTK  
**Frameworks:** Angular, Spring Boot, Flask, Django, REST, SOAP  
**Tools:** Git, Docker, Kubernetes, Jenkins