

## OVERVIEW

*AI Researcher with a strong foundation in generative AI, including Large Language Models (LLMs), word embeddings, and agentic workflows. Passionate about developing scalable and explainable AI solutions for real-world problems. Published in leading venues including ACL, AAMAS, IEEE-TCSS, and AI & Society. Visit my [Google Scholar](#) or my [Webpage](#) for more details.*

## EDUCATION

|   |                         |            |
|---|-------------------------|------------|
| <b>Doctor of Philosophy (PhD) in Computer Science</b><br>North Carolina State University, Raleigh, NC (Advised by: Distinguished Professor <a href="#">Munindar P. Singh</a> )<br>Focused on Social Simulations, Deep Learning, and Generative AI (LLMs) approaches for NLP | • CGPA - <b>4.0/4</b>   | March 2025 |
| <b>Master of Science in Computer Science</b><br>North Carolina State University, Raleigh, NC  | • CGPA - <b>4.0/4</b>   | May 2019   |
| <b>Bachelor of Engineering in Information Science</b><br>PES University, Bangalore, India   | • CGPA - <b>8.76/10</b> | May 2015   |

## AWARDS AND HONORS

- Graduate Student Leadership Award 2023 Awarded by NC State University
- Outstanding Teaching Assistant Award 2021 Awarded by NC State University

## PROFESSIONAL EXPERIENCE

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|--|------------------------------|
| <b>Data Scientist III - LexisNexis (Nexis + AI), Raleigh</b>   | <b>April 2025 - Present</b>  |
| <ul style="list-style-type: none"> <li>Developed a high-performance entity name deduplication module using FAISS and graph-based approximate nearest neighbor search</li> <li>Scaled entity resolution from 32K to 2M by efficiently disambiguating homonyms based on contextual descriptions</li> </ul> |                              |
| <b>Summer Research Scholar at SCADs - Laboratory of Analytical Science (LAS), Raleigh</b>  | <b>June 2024 - July 2024</b> |
| <ul style="list-style-type: none"> <li>Built a multi-agent LLM-based abstractive summarizer to generate balanced summaries from conflicting documents</li> <li>Automated summary evaluation using an LLM-as-a-judge framework</li> </ul>   |                              |
| <b>Machine Learning Summer Intern - Coupang, Mountain View</b>   | <b>May 2022 - Aug 2022</b>   |
| <ul style="list-style-type: none"> <li>Improved Coupang's Deep &amp; Cross Network (DCN) model's efficiency by removing spurious features</li> <li>Automated benchmarking on public datasets and created scripts for easy-to-run experiments for comparison</li> </ul>                                   |                              |
| <b>Machine Learning Summer Intern - Seagate, Longmont</b>  | <b>May 2020 - Aug 2020</b>   |
| <ul style="list-style-type: none"> <li>Designed a graph-based, unsupervised abstractive multi-document text summarizer for a social listening app</li> <li>Implemented an unsupervised aspect-based sentiment analyzer for comparative online user reviews</li> </ul>                                    |                              |
| <b>Computer Science Summer Intern - Lenovo, Morrisville</b>  | <b>May 2018 - Aug 2018</b>   |
| <ul style="list-style-type: none"> <li>Automated test plan generation by extracting executable commands from test specification documents</li> <li>Reduced test suite execution time by leveraging recent results to skip low-impact tests that are likely to pass</li> </ul>                            |                              |
| <b>Member of Technical Staff - Oracle, Bangalore</b>   | <b>July 2015 - June 2017</b> |
| <ul style="list-style-type: none"> <li>Designed and developed Service Deployment Infrastructure (SDI) modules for Oracle Public Cloud (OPC)</li> <li>Implemented modules for a data center-level load balancer and reduced runtime by increasing parallelism</li> </ul>                                  |                              |

## SKILLS

- Programming Languages: Python, Java, Shell, SQL, PHP, HTML, JavaScript
- API and Libraries: PyTorch, Tensorflow, Scikit Learn, Gensim, Numpy, Pandas, REST

## LEADERSHIP & COMMUNITY SERVICES

- Reviewed research papers for reputed conferences and journals, including ACL, ACM-TIST, AAMAS, and IEEE
- President and Head of Events for the Indian Graduate Student Association (IGSA), NCSU [www.maitrincsu.org](http://www.maitrincsu.org)
- Organizer and host for the AI in Society Seminar Series at NC State University Talks available on [YouTube](#)
- Mentored three graduate students at NC State University in their research