

# Priti Oli

Memphis, TN ✉ ollipriti@gmail.com 🏠 <https://pritioli.github.io>

## Education

**The University of Memphis, Memphis, TN**

*Aug 2019 - In progress*

*PhD in Computer Science*

**Research:** Natural Language Processing, Human Computer Interaction, Computer Science Education

## Technical Skills

**Programming Languages:** Python, JAVA, Javascript

**Tools & Framework:** Pytorch, TensorFlow, Spacy, Pandas, NLTK, Spring-MVC, Struts

## Work Experience

**Zakipoint Health, Inc**

*June 2017 - July 2019*

*Senior Software Engineer*

- Designed and developed Zakipoint's in-house software across multifaceted team to meet client needs for functionality, timeline and performance.
- Rapidly prototyped and deployed data processing and visualization system using d3.js.
- Automated daily maintenance activities for Elastic search for tables analyses.

**Deerwalk Services Inc.**

*Dec 2015 - Dec 2016*

*Software Developer*

- Collaborated with team members to design new application systems to enhance client requirements for Health portal system of Deerwalk.
- Implemented various reporting facilities using Jasper Report and Apache POI.

## Publications

- **Automated Assessment of Quality of Jupyter Notebooks Using Artificial Intelligence and Big Code**, Oli Priti, Banjade Rabin, Tamang Lasang Jimba, and Rus Vasile, The International FLAIRS Conference Proceedings 2021
- **Domain Model Discovery from Textbooks for Computer Programming Intelligent Tutors**, Banjade Rabin, Oli Priti, Tamang Lasang Jimba, Chapagain Jeevan, and Rus Vasile, The International FLAIRS Conference Proceedings 2021
- **A Comparative Study of Free Self-Explanations and Socratic Tutoring Explanations for Source Code Comprehension**, Tamang, Lasang Jimba, Zeyad Alshaikh, Nisrine Ait Khayi, Priti Oli, and Vasile Rus, In Proceedings of the 52nd ACM Technical Symposium on Computer Science Education (pp. 219-225).
- **NL-Augmenter: A Framework for Task-Sensitive Natural Language Augmentation**, Kaustubh D. Dhole, Varun Gangal, Sebastian Gehrmann, ..., Priti Oli, ..., Jascha Sohl-Dickstein, Jinho D. Choi, Eduard Hovy, ..., arXiv:2112.02721v1
- **Beyond the Imitation Game: Quantifying and extrapolating the capabilities of language models**, Aarohi Srivastava, Abhinav Rastogi, ..., Priti Oli, ..., Zijie J. Wang, Zirui Wang, Ziyi Wu, arXiv:2206.04615
- **Preliminary Experiments with Transformer based Approaches To Automatically Inferring Domain Models from Textbooks**, Rabin Banjade, Priti Oli, Lasang Jimba Tamang, Vasile Rus, Proceedings of the 15th International Conference on Educational Data Mining
- **Automated Assessment of Student Self-explanation During Source Code Comprehension**, Jeevan Chapagain, Lasang Tamang, Rabin Banjade, Priti Oli, Vasile Rus, The International FLAIRS Conference Proceedings

## Awards and Honors

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- GHC Scholar 2022 (**GHC 2022**)
- Google Computer Science Research Mentorship Program (**CSRMP 2022**)
- Fully funded scholarship to attend CRA-WP Grad Cohort for Women 2021 2022
- Peter I. Neathery Scholarship/Fellowship (Aug 2020) University of Memphis
- Runner-Up(2016) NASA space app challenge Kathmandu 2016