





# Priti Oli

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 Memphis, TN, USA

## Education

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| <b>The University of Memphis, Memphis, TN</b><br><i>PhD in Computer Science</i>                              | <i>Aug 2019 - In progress</i> |
| <b>The University of Memphis, Memphis, TN</b><br><i>M.S in Computer Science</i>                              | <i>Aug 2019 - Dec, 2021</i>   |
| <b>IoE, Pulchowk Campus, Tribhuvan University</b><br><i>B.E in Electronics and Communication Engineering</i> | <i>Dec 2011 - Dec 2015</i>    |

## Technical Skills

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| <b>Programming:</b>           | Python, JAVA, SQL, Javascript   |
| <b>Tools &amp; Framework:</b> | Pytorch, TensorFlow, Pandas, NLTK, Hibernate, Grails, Bootstrap, d3, jQuery, Spring-MVC, ActiveMQ, Apache Tomcat, JDBC, Struts, Angular, Vue-JS |

## Work Experience

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| <b>Zakipoint Health, Inc</b><br><i>Senior Software Engineer</i>  | <i>June 2017 - July 2019</i> |
| <ul style="list-style-type: none"><li>Designed and developed Zakipoint software across multifaceted team to meet client needs for functionality, timeline and performance.</li><li>Rapidly prototyped data processing and visualization system using d3.js.</li><li>Implemented Single Sign-On feature to integrate multiple projects using O-Auth in Grail.</li><li>Wrote scripts for daily maintenance activities, including indexes and tables analyses.</li><li>Deploy application and send release notes.</li></ul> |                              |
| <b>Deerwalk Service</b><br><i>Software Developer</i>   | <i>Dec 2015 - Dec 2016</i>   |
| <ul style="list-style-type: none"><li>Collaborated with team members to design new applications system to enhance client requirements for Health portal software of Deerwalk.</li><li>Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions.</li><li>Implemented various reporting facilities using Jasper Report and Apache POI.</li><li>wrote patches to fix corrupted data in Elasticsearch.</li></ul>                                 |                              |
| <b>Institute of Engineering, Pulchowk Campus</b><br><i>Software Developer</i>  | <i>Dec 2015 - Dec 2016</i>   |
| <ul style="list-style-type: none"><li>Prepared Lab material, conducted Lab Sessions, Graded Lab performance of undergraduate Students for C Programming and Computer Organization and architecture.</li></ul>  |                              |

## Publications

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- 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).

## **Awards and Honors**

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- Peter I. Neathery Scholarship/Fellowship (Aug 2020) University of Memphis
- Runner-Up(2016) NASA space app challenge Kathmandu 2016
- Graduate Research Assistant at The University of Memphis.
- Scholarship recipient for academic performance in multiple semesters in Undergraduate.

## **Projects**

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### **Collaborative Research: CSEdPad Learner Data Institute (LDI)**

## **Travel Grant**

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- IIS (Institute for Intelligent Systems, The University Of Memphis) Travel Grant (2021)

## **Scholarly and Professional Memberships and Volunteer Experience**

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- Member: Women in Computing, University of Memphis
- Volunteer  
Executive Member: Code For Nepal ((2017-2018)
- Executive Member : LOCUS (Institute Of Engineering, Pulchowk Campus, 2015)
- Chief Editor : LOCUS Journal