





Priti Oli

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 Memphis, TN, USA

Education

The University of Memphis, Memphis, TN
PhD in Computer Science

Aug 2019 - In progress

The University of Memphis, Memphis, TN
M.S in Computer Science

Aug 2017 - Dec, 2021

IoE, Pulchowk Campus, Tribhuvan University
B.E in Electronics and Communication Engineering

Dec 2011 - Dec 2015

Technical Skills

Programming: Python, JAVA, SQL, Javascript

Tools & Framework: Pytorch, TensorFlow, Pandas, NLTK, Hibernate, Grails, Bootstrap, d3, jQuery, Spring-MVC, ActiveMQ, Apache Tomcat, JDBC, Struts, Angular-JS, Vue-JS

Work Experience

Zakipoint Health, Inc
Senior Software Engineer

June 2017 - July 2019

- Designed and developed Zakipoint software across multifaceted team to meet client needs for functionality, timeline and performance.
- Rapidly prototyped data processing and visualization system using d3.js.
- Implemented Single Sign-On feature to integrate multiple projects using O-Auth in Grail.
- Wrote scripts for daily maintenance activities, including indexes and tables analyses.
- Deploy application and send release notes.

Deerwalk Service
Software Developer

Dec 2015 - Dec 2016

- Collaborated with team members to design new applications system to enhance client requirements for Health portal software of Deerwalk.
- Worked closely with other business analysts, development teams and infrastructure specialists to deliver high availability solutions.
- Implemented various reporting facilities using Jasper Report and Apache POI.
- wrote patches to fix corrupted data in Elasticsearch.

Institute of Engineering, Pulchowk Campus
Software Developer

Dec 2015 - Dec 2016

- Prepared Lab material, conducted Lab Sessions, Graded Lab performance of undergraduate Students for C Programming and Computer Organization and architecture.

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).

Awards and Honors

- 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

Collaborative Research: CSEdPad Learner Data Institute (LDI)

Travel Grant

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

Scholarly and Professional Memberships and Volunteer Experience

- 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