

# Priti Oli

Graduate Student



Memphis, TN, 38111



(901) 297-8234



ollipriti@gmail.com



## Skills

Programming Languages: Python, Java, JavaScript, Groovy, C++, C

Databases: MySQL, Elastic-search

Frameworks: Hibernate, Grails, Spring, MVC, ORM, Bootstrap, d3, jQuery, Apache ActiveMQ, Apache Tomcat, Apache Velocity, Gradle, Maven, JDBC

Software development: Agile SCRUM

Tools: IntelliJ IDEA, Eclipse, Apache tomcat, GIT



## Work History

2017-10 - 2019-06

### Software Engineer

*Zakipoint Health, Inc, Kathmandu*

- 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 OAuth in Grail.
- Wrote scripts for daily maintenance activities, including indexes and tables analyses.
- Deploy application and send release notes.

2015-07 - 2016-07

### Associate Software Engineer

*Deerwalk Inc.*

- 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.
- Write patches to fix corrupted/anomalous data in Elasticsearch.



## Education

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2019-08 - Current

### Ph.D.: Computer Science

*University of Memphis - Memphis, TN*

2011-08 - 2015-08

### Bachelor of Engineering: Electronics and Communication

*Institute of Engineering, Pulchowk Campus - Lalitpur, Nepal*



## Projects

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**Computer Vision Based Nepali Sign Language Interpretation** where a prototype was developed that enabled the translation of sign language to text making it possible for the sign-language illiterate to understand and communicate efficiently with the dumb and deaf community.

**Renewable survey Energy tool (REST):** was responsible for web development of Renewable survey Energy tool. This project was also winner of International Space App Challenge, 2016 (under local challenge).

**Ghar Number:** A web application to generate house number for houses in Kathmandu.



## Scholarships

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- Peter I Neathery Fellowship (College of Arts and Sciences, University of Memphis)
- Graduate Research Assistant at IIS (Institute of Intelligent Systems), University of Memphis



## Achievements

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- Winner: International Space app Challenge Kathmandu(2016)
- Scholarship recipient for academic performance in multiple semesters in Undergraduate.
- Honorary Mention: Locus Thematic competitions



## Scholarly and Professional Memberships

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- Executive Member: Code For Nepal
- Executive Member : LOCUS (Institute Of Engineering, Pulchowk Campus)
- Chief Editor : LOCUS Journal