**DICHHA RAI**

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**EDUCATION**

**Master of Computer Science (MCS)**, **The** **University of Iowa**, Iowa City, IA  May 2018

**Bachelor of Arts (BA)**, **Luther College**, Decorah, IA May 2016

*Major*: **Computer Science** *Minor*: **Math**

*Language Skills*: Nepali, English, Hindi *Repository*: https://github.com/dichha

**COMPUTER SKILLS**

**Languages** **Operating System** **Tools**  **Framework**

*Proficient*: Python, Java Windows, Mac OS, Git, Vim, Selenium Django,

*Prior Knowledge*: Ruby, JavaScript, PHP, Android, Linux Web Driver, Django REST,

Android, R, C++, Swift Tableau Rails

*Learning*: Raspberry Pi, F#, React Native

**RELEVANT EXPERIENCE**

**Student Developer,** *Software Engineering Project*  Jan. 2018 – present

The University of Iowa, Iowa City, IA

* Developing a mobile app using React Native for the university’s gymnasiums to track business of different equipment and areas, finding gym buddy and knowledge base of gym equipment.

**Software Developer**, *Summer Internship* May 2017 – Jul. 2017

The Signal Center - Innovation Lab, Coralville, IA

* Built new features - player’s match history and step statistics to help players participating in virtual races to track their progress for an ongoing project.
* Wrote unit test for the features built and debugged functionalities.
* Reviewed code to find logical, implementation, and requirement errors before the change is merged upstream.

**Student Developer**, *Senior Capstone Project* Sep. 2015 – May 2016

Luther College, Decorah, IA

* Developed a web application using Django framework designed to be Luther’s version of TripAdvisor for Luther’s Center for Global Learning Department which oversees study abroad programs at the college.
* Took responsibility as a team leader to increase efficiency of the group and deliver the product on time.

**OTHER WORK EXPERIENCE**

**Graduate Teaching Assistant**, *Computer Science Department* Jan. 2018 – present

The University of Iowa, Iowa City, IA

* Held lab and office hours to enhance understanding of classroom materials to class of 50+ students.
* Graded homework, quizzes and exams, and prepared homework assignments.

**Graduate Research Assistant,** *IIHR Hydroscience & Engineering*  Aug. 2017 – Dec. 2017

The University of Iowa, Iowa City, IA

* Structured manual collection of ~7000 data points to a complex database schema, added them to a database and rendered them on a web application.
* Debugged a highly coupled research-oriented software project mainly by reverse engineering.

**COLLEGIATE ACTIVITIES**

Women in Informatics and Computer Science (WICS) – Web Master Aug. 2017 – present

Association for Computing Machinery (ACM) – Member Aug. 2016 – present

Midwest Big Data Hackathon – Participant 2016, 2017

**HONORS & AWARDS**

Grace Hopper Conference Student Scholar (Pivotal Ventures) 2017

Iowa Regional Scholar Award 2016-2017

Shelby Davis Scholarship 2012-2016