

## Academic Projects

### Goldchase Game

January 2016 - April 2016

- Multiplayer game developed in **C++**, which uses **message queues** to communicate among the players
- The game uses **semaphores**, **sockets**, **signal handling**, **shared memory** and **ncurses library**, using which the players have to search for real gold from fool's gold on a map which is updated real-time

### Impact of Software Engineering Project Preferences on Student Motivation

August 2016 – December 2016

- Analyzed the motivation and willingness of students to continue working on the project on the data collected from undergrad and grad class of 91 students for various semesters, using **R** programming with **RapidMiner** to test hypotheses for t-test, correlations

### Swellcat – Healthcare Management System

August 2015 - December 2015

- Developed a **web application** for University Healthcare System using the **Spring Framework** with the **Oracle's APEX REST API** in a team of 3
- Used **SQL Developer** to provide the smooth functioning of the Health center by introducing an easy process of appointment scheduling using the **Java Google Calendar API**, database creation, modification for students and staff

### Last Resort - Android Application

January 2015 - May 2015

- Developed an Android application to search for lost phones using **Java**, **XML** and **PHP**
- Used **Android's REST API** to process the information to obtain the correct location and for proper functioning of other features

## Professional Experience

### Intern, Classuite

February 2017 – Present

- Creating detailed, comprehensive and well-structured test plans and test case and estimate, prioritize, plan and coordinate testing activities
- Design, develop and execute **manual testing** fully cross browser and **automation scripts** using **Selenium Webdriver** with **java**

### Akka Volunteer

January 2016 - May 2016

- Contributed in developing code using **Scala** for migrating 2 of the major **Akka** classes to improve the functionality and performance for the newer version over the deprecated functionalities
- Identified and successfully resolved a total of 3 issues and bugs to streamline the migration of **Akka** classes

### Software Intern, S R Labs, Pune, India

May 2015 – August 2015

- Worked in a team of 4 to build a **Java** application for market data analysis and service
- Helped design APIs and provided clear endpoints to customers
- Created test plans and test cases for automated as well as manual testing for the **Agile development process**

### Teaching Assistant, California State University, Chico

August 2015 – May 2016

- Conducted the lab sessions for CSCI-217, Fundamentals of Computing, and assisted the instructor with the lecture sessions, for a class of 40 students

## Education

<b>Master of Science in Computer Science</b>	California State University, Chico	GPA 3.75	<b>December 2016</b>
<b>Bachelor of Engineering in Computer Technology</b>	University of Pune, India	GPA 3.82	<b>May 2014</b>

## Computer Skills

**Languages:** Java, C++, C, Scala, Python, SQL, PL/SQL, HTML, CSS, JavaScript, R, Visual Basic, Perl

**OS and Technologies:** Linux, Windows, Mac OS X, RESTful Web Services, Agile Methodologies, Shell Scripting

**Software's/Tools:** Eclipse, Git, Vim, GDB, XCode, GitHub, Selenium Webdriver, JUnit, JIRA, Google Test, Gcov, Travis CI, Visual Studio, SQL Developer, Microsoft SQL server, MySQL, VirtualBox, NetBeans, Version Control, RapidMiner

## Achievements and Affiliations

- Published paper on "OnVote – Secured Online Voting System" in **IJIRCCE**, November 2013
- Represented CSU, Chico in **AAAS** 2017 for "Impact of Software Engineering Project Preferences on Student Motivation" and received the '**Top Research Award**' with the Graduate Student Research Funds for the same at CSU, Chico.
- Active member of **Association for Computing Machinery (ACM)**
- As a **Student Supervisor**, supervised a team of 150 employees to ensure excellent customer service and management for one of the main cafeteria on campus, which serves more than 16000 students and staff