

# Rashmi Jadhav

Corvallis, OR 97330

+1 (541) 221-3400 | [jadhavr@oregonstate.edu](mailto:jadhavr@oregonstate.edu) | [rusty-sj.github.io](https://github.com/rusty-sj) | [github.com/rusty-sj](https://github.com/rusty-sj) | [linkedin.com/in/rashmi-jadhav-osu](https://linkedin.com/in/rashmi-jadhav-osu)

## EDUCATION

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### Oregon State University

Corvallis, OR

Master of Science in Computer Science, GPA: 3.92/4.0

June 2021

Coursework: Algorithms – Design analysis & implementations, Intelligent agents & Decision Making, Machine Learning, Database Management Systems, Software Project Management, Software Engineering Methods

Graduate Teaching Assistant: Introduction to Databases, Senior Software Engineering Capstone

### College Of Engineering Pune (COEP)

Pune, India

Bachelor of Technology in Information Technology

May 2016

## TECHNICAL SKILLS

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**Programming:** Java, Python, C, JavaScript

**Backend:** Spring Framework, Hibernate, MySQL, Android Development, Design Patterns(familiar), Git/SVN

**Web Development:** Liferay, Backbone.js, Marionette.js, jQuery, Ajax, OO JavaScript, HTML/CSS, Bootstrap, RESTful APIs

## EXPERIENCE

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### eQ Technologic Inc.

Pune, India

Senior Software Engineer

April 2019 - August 2019

- Released links feature in eQube®-BI to facilitate inter-product links for 10 widgets by gathering requirements, writing user stories, design document, sequence diagrams, testcases & eventually coding the approved design during a 3 months sprint adhering to test-driven agile software development (Java, Spring, JavaScript, Backbone.js, MVC, SVN, Jasmine)
- Boosted [www.1eq.com](http://www.1eq.com)'s load time performance by 70% (as measured using Google PageSpeed) by revamping and coding its responsive design collaboratively with team of 5 using Liferay, JavaScript, Java, HTML, CSS, Bootstrap, media queries
- Fixed around 30 reported bugs in links module of product eQube®-BI whilst debugging it for a month

### eQ Technologic Inc.

Pune, India

Software Engineer

July 2016 - April 2019

- Delivered an intuitive web application interface/intelligent PLM solution within 3 months by using REST APIs, Java, Spring, BackboneJS, Marionette.js, KendoUI, leading to enhancing customer relations by signing 4 more projects with them
- Built single page application for eQ's security services backend and incorporated front-end optimization in maven build cycle to increase page load performance by 50% (Require.js Optimizer, Backbone.js, JavaScript, REST controllers)
- Collaboratively worked with CEO, team documentation, graphics, 2 developers to weekly enhance look & feel of website
- Computerized campus hiring by developing Android application for interviewers which centralized hiring information
- Resolved customer issues for license generator legacy software in JSP & developed 3 new features as per requirements

## RESEARCH & PROJECTS

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### OSU IDEA Lab (DB Group)

Corvallis, OR

Researcher under Prof. Arash Termehchy

January 2020 – Present

- Implementing online join algorithms(RL bandit) on PostgreSQL in C for faster top-k search retrievals with TPC-H datasets
- Discounted average time of bandit join is faster by 60% compared to nested loop join for values of k = 50, 100, 500

### JobProfill - A Mozilla Firefox extension for auto-filling job applications

Corvallis, OR

CS 562 Software Project Management

January 2020 - March 2020

- Published a [Mozilla Firefox add-on](#) developed in JavaScript to auto-populate job application forms with user's profile
- Saves ~3-4 minutes of user's time per job application, supports greenhouse.io

### Intelligent Traffic Signal Synchronization Using Fuzzy Logic and Q-Learning

Pune, India

Research under Prof. Dr. Jibi Abraham (Undergrad Dissertation)

June 2015 – May 2016

- Proposed self-learning multi-agent signal synchronization system to dynamically operate traffic signals as per vehicles' flow and used SUMO simulator and Python for software implementation
- Published the work at the IEEE 2016 International Conference on Computing, Analytics and Security Trends (CAST)

## LEADERSHIP & INVOLVEMENT

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- Member at OSU ACM-W (Association for Computing Machinery) and SWE (Society of Women Engineers)
- Co-founded organization Lean2Lead Pune based on Lean In Foundation for ambitious women in workforces