

# Manami Bhunia

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## Summary

Enthusiastic Software Engineering graduate student with expansive experience in working with full stack JavaScript technologies and cutting edge front end technologies such as ReactJS.

## Work Experience:

### **Software Developer Intern**

**KidzToPros LLC.**

**Sep 2015 – Dec 2015**

Worked on their main product; a Meteor.js application which is in stealth mode and about to launch.

- Designed Model layer using Jagi Astronomy for MongoDB collections.
- Built a prototype application using Iron-Router and later migrated to Flow-Router.
- Tested UI components using Jasmine.
- Developed an interactive wireframe using Axure.

## Skills

**Languages:** JavaScript, C, Core Java, Shell Script

**Web Technologies:** HTML5, CSS3, jQuery, ReactJS, D3.js, Twitter Bootstrap, Meteor.js, Node.js, Express

**Databases:** MySQL and MongoDB, Oracle

**Cloud & Virtualization Technologies:** Amazon EC2, XEN Server, VMWare Fusion

**Test Frameworks:** Mocha, Chai, Sinon, Enzyme, Jasmine

**Systems:** Macintosh, Linux and MS-Windows

**Tools:** Eclipse, Sublime Text, Atom, WebStorm, Git, Axure

## Education

### **Master of Science in Software Engineering**

San Jose State University, San Jose, California

**Aug 2014 – Aug 2016**

### **Master of Computer Applications**

West Bengal University of Technology, India

**Aug 2010 – July 2013**

## Academic Projects

### **FaceApp – A Face Recognition Application:**

**Summer 2016**

- Developing the front end using ReactJS, ES6 and Redux for a face recognition system in Master's project coursework.
- Using Webpack as build tool.
- Using Mocha and Enzyme for testing React components.

### **Movie Recommendation Systems:**

**Fall 2015**

This Recommendation System generates meaningful recommendations of a collection of movies. Incorporated the OMDB API to display the movie details such as ratings, awards etc. Integrated twitter sentiment analysis on the basis of current twitter feeds about the movies.

- Developed responsive UI using Twitter-Bootstrap, jQuery, Handlebars templates
- Built a recommendation engine based on collaborative filtering and on top of Node.js.
- This Recommendation engine uses Jaccard Coefficient to compute the similarity between users and k-nearest-neighbors to create recommendations.

### **Edesia-Doordash Prototype:**

**Spring 2015**

Edesia is a web application to provide users the information about home based catering services. People can search by zip code, city or cuisine for getting details of catering services nearby along with the details of cuisines and their prices. Online order and payment was also available.

- Developed a fancy and responsive UI using Twitter-Bootstrap, jQuery, Handlebars templates, AJAX and JSON.
- Developed REST services using Node and Express. Implemented CRUD operations using MySQL.

### **CitizenSpot:**

**Fall 2014**

CitizenSpot is a web application to help the citizens of any locality to locate infrastructure problems such as potholes, broken pipes, broken streetlights etc. and re-plan their routes accordingly. The users of the application can submit the problems and Google Map shows exact location of the problem spotted.

- Developed an attractive and responsive UI using Twitter-Bootstrap, jQuery, Handlebars templates, AJAX and JSON.
- Implemented REST services using JAVA/JERSEY. Implemented CRUD operations using JDBC and MySQL.
- Deployed the application in Amazon EC2 and monitored for smooth operation.

### **Bonyzone-Online Shopping Cart:**

**Fall 2014**

- Built a 3-tier e-shopping application for the exposure to the MEAN stack development and REST API.
- Fabricated operations such as buying multiple items and cancelling them, inventory management and payment.
- The back end was designed in such a way so that inventory could be handled by MongoDB and transactions could be handled in MySQL.