

# Renuka Joshi

## Contact

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## Address

2650 College Place  
Fullerton, California - 92831

## Programming Languages

Java, SQL, C, C++, Groovy, JavaScript.

## Technologies and Frameworks

Spring MVC, Visualforce(Force.com Platform), Grails, HTML, CSS3, Servlets, SQL Server, MySQL, MongoDB, GitHub, SVN, Java 8, Scala, Hadoop, Kafka.

## Tools

Eclipse, NetBeans, MS Azure Machine Learning Studio, Power BI, Visual Studio.

## Software Development Methodologies

Agile - Scrum, XP

## Website

<https://renukaj.github.io/>



<https://www.linkedin.com/in/renukajoshi4>



<https://github.com/RenukaJ>

## Experience

### Developer Intern

### Exsilio Solutions

Jun 2016-Aug 2016

**[Churn Rate Prediction]** - Developed a machine learning model using two-class boosted decision tree algorithm to predict whether a customer is going to churn or not. Got ~86% accuracy in the results. **[Python, SQL Server, MS Azure]**  
**[Video Series]** - Published on Azure ML <https://goo.gl/NJrNDk>

## Education

### Masters

### California State University Fullerton

Expected May 2017

Computer Science - GPA: 3.76

**Relevant Coursework** - Web Back-End Engineering for Enterprise Applications, Advanced Databases, Computer Networking, Software Design and Architecture.

### Bachelors

### University of Pune

Aug 2011-Aug 2015

Computer Engineering - First class

**Relevant Coursework** - Data Structures and Algorithm, Operating Systems, Databases, Distributed Systems.

**General Secretary** - Computer Sci. & Engg. Department 2014

**Hackathon awards** - Winner - PICT Impetus, 2015.

**Research publications**-1. <https://goo.gl/HQo3nw> 2. <https://goo.gl/uA7xVs>

## Projects

### URL Shortener

**[Java, Servlets, JavaScript, Spring MVC, Apache Ant, HSQLDB]**

Implemented the core encoding algorithm for the URL Shortener platform. Contributed to back-end features to maintain user sessions, login authentication and data persistence. Improved front-end experience with features like copy to clipboard and data visualization.

### Personalized Dashboard

**[Java, Spring MVC, JavaScript, Grails, Groovy, Google API]**

Responsible for end-to-end development of this web application. Developed features like personal assistant, web services, APIs to generate custom dashboards, authentication and URL shortening service.

### NVIDIA CUDA for Video Encoding

**[C, Linux, NVIDIA CUDA, Visual Studio]**

Optimized the encoding of a raw video file using H.264 standard encoder. Parallelized the motion estimation algorithm-EFSA using NVIDIA CUDA. Compared the results with the existing H.264 encoder.

### Data Mining on IMDB Dataset

**[Java, SQL Server, IMDB dataset, MS Visual Studio]**

Implemented supervised data mining algorithm - multiple linear regression to predict the success rate of a movie. Extracted IMDB dataset of 3 million rows, wrote queries and procedures to sample, preprocess, transform and mine the data. Performed statistical analysis, interpreted, summarized and presented results to help improve movie success rate.

## Contact

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