

# Renuka Joshi

## Contact

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(Open to relocation)

## Languages

Java, C#, PL/SQL, Groovy,  
Python, Object Oriented  
Design

## Web Technologies

.NET, Spring MVC, Grails  
Framework, HTML, CSS,  
Bootstrap, JavaScript, jQuery,  
RESTful web services,  
Servlets, JSON, OAuth 2.0,  
Apache Tomcat

## Databases

SQL Server, MySQL, HSQLDB

## Big Data Technologies

Hadoop MapReduce, Apache  
Spark, Kafka

## IDEs and Tools

Eclipse, MS Visual Studio,  
NetBeans, MS Azure Machine  
Learning Studio, Sublime,  
Agile - Scrum, XP, GitHub,  
Pivotal Tracker, Slack, JUnit

## Website

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



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



<https://github.com/RenukaJ>

## Experience

### Developer Intern

### Exsilio, Irvine CA

Jun 2016-Aug 2016

#### Churn Rate Prediction

[SQL Server, Azure ML Studio]

- 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.
- Series published: <https://goo.gl/NJrNDk>

## Education

### Masters

### California State University, Fullerton

Aug 2015-May 2017

**Major: Computer Science [GPA: 3.78/4.00]**

**Coursework:** Web Back-End Engineering, Advanced Databases, Data Structures and Algorithms, Enterprise Application Development, Software Design and Architecture

### Bachelors

### University of Pune, India

June 2011-May 2015

**Major: Computer Engineering [Grade: First Class]**

**Coursework:** Distributed Operating Systems, Databases.

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

**Research publications:** <https://goo.gl/xZBteo>, <https://goo.gl/Le3Tdk>

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

## Projects

### URL Shortening service

[Java, Servlets, JavaScript, Slack, Spring MVC, Ant, HSQLDB]

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

### Task Assistant

[Java, HTML, CSS, JavaScript, Grails, Google API]

- Developed Application which included a modules to-do list manager, API based URL shortening service and interactive dashboards.

### Data Mining on IMDB Dataset

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

- Implemented multiple linear regression to predict the success rate of a movie.
- Wrote queries and procedures to sample, preprocess, transform and mine the IMDB dataset of 3 million rows.

### Video Encoding using NVIDIA CUDA

[C, Linux, NVIDIA CUDA Toolkit, 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.

## Contact

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