

Renuka Joshi

Contact

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Address

2650 College Place
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Programming Languages

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

Technologies and Frameworks

Spring MVC, Grails, HTML,
CSS3, Servlets, SQL Server,
MySQL, MongoDB, GitHub,
SVN, Java 8, Scala.

Tools

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

Software Development Methodologies

Agile - Scrum, XP



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



<https://github.com/RenukaJ>

Experience

Developer Intern

Exsilio

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.

Personalized Dashboard - 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. **[Java, Spring MVC, JavaScript, Grails, Groovy, Google API]**

Bachelors

University of Pune, India

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.

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.