Renuka Joshi

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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

Website
https://renukaj.github.io/

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.

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