

Renuka Joshi

Contact

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Address

5225 Verde Valley Ln
Dallas, Texas 75254
(Open to relocation)

Languages

Java, PL/SQL, Groovy, Python

Web Technologies

Spring MVC, Grails
Framework, HTML, CSS,
Bootstrap, RESTful web
services, Servlets, JSON,
Apache Tomcat

Databases

SQL Server, MySQL, HSQLDB

Big Data Technologies

Hadoop MapReduce, Apache
Spark, Kafka

IDEs and Tools

Eclipse, 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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