

Deepen Mehta

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Website: <http://www.deepenmehta.com/>

EDUCATION

Northeastern University, Boston, MA GPA 4.0/4.0
College of Computer and Information Science Sep 2014 - Present
Candidate for a Master of Science in Computer Science Expected Graduation: Dec 2016
Related Courses: Parallel Processing in MapReduce, Web Development
Data Mining Techniques, Information Retrieval

Dharmsinh Desai University, Ahmedabad, India May 2012
Bachelor's Degree in Electronics and Communications Engineering
Related Courses: Programming in C, Object Oriented Programming and Concepts (C++)
Fundamentals of Computer Networks, Embedded Systems

TECHNICAL KNOWLEDGE

Languages: Java, Python, Scala
Web Technologies: Node.js, AngularJS, J2EE, Bootstrap
Frameworks: Apache Struts/Struts 2, Hibernate (ORM)
Database: Vertica, MongoDB, MySQL, Oracle 10g,
Software: Eclipse, NetBeans, Dr Racket, DB Viz
Data Analytics: Hadoop MapReduce, Spark, Tableau, Elasticsearch

WORK EXPERIENCE

Intuit Inc., San Diego, CA Jun 2015 – Dec 2015
Software Engineer – Co-op

- Developed several routines and modules to support ETL architecture for transitive closure on Vertica.
- Create ETLs to take data from various operational systems and create a unified dimensional or star schema data model for analytics and reporting.
- Developed performance dashboards, leveraging Vertica's analytical capabilities, which encompass key metrics to be reviewed with senior leadership and sales management.
- Work with business owners of Product, Customer and Marketing to build data sets that answer their specific business questions.

Tata Consultancy Services Ltd., Mumbai, India Jun 2012 – Jun 2014
Software Developer

- Fabricated web based product in J2EE Web tier targeted to streamline and host Tata Group's HR practices.
- Crafted rich dashboards for data analysis using JFreechart and query optimization with MySQL stored procedure, which allowed HR user to efficiently analyse data.
- Developed report generation module that assisted in generation of MS Excel reports, used for data analysis.
- Implemented Bootstrap to design responsive web interface making it user friendly for mobiles and tablets.

PROJECTS

SpiderMongo – Online MongoDB GUI Jan 2016 - Present

- Designed a fully responsive web based user interface to handle all your mongo database needs.
- Developed dashboard which provides useful insights and CRUD operations for mongo collections.
- <http://www.deepenmehta.com/project/client/pages/home.html>

Slim MapReduce Jan 2016 - May 2016

- Designed a MapReduce framework with a streamlined API from first principles, running on AWS.
- Developed server client network in order implement distributed processing.
- <https://github.com/map-reduce-ka-tadka/slim-map-reduce>

Object Classification in Images Jan 2016 - May 2016

- Implemented deep learning algorithm Convolutional Neural Networks in order to classify images with accuracy of 75%.
- Used CIFAR-10 dataset to classify 10 categories of images.
- Implemented Adam update to get convergence faster instead of using stochastic gradient descent.

Flight Analytics Jan 2016 - May 2016

- Developed Random Forest model using an origin, a destination and a flight date to propose two-hops routes that minimize the chance of missed connections.
- Developed Linear Regression model to predict cheapest airline using the evolution of prices of the carrier over time using MapReduce