

Deepen Mehta

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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: Algorithms, Data Mining Techniques, MapReduce
Information Retrieval, Machine Learning

Dharmsinh Desai University, Ahmedabad, India

Bachelor's Degree in Electronics and Communications Engineering

May 2012

Related Courses: Programming in C, Object Oriented Programming and Concepts (C++)
Fundamentals of Computer Networks, Embedded Systems

TECHNICAL KNOWLEDGE

Languages: Java, Racket, Python, C#

Web Technologies: J2EE, HTML5, CSS3, Bootstrap, JavaScript - jQuery, Ajax Scripting, Apache Tomcat

Frameworks: Java Persistence API, Apache Struts/Struts 2, Hibernate (ORM)

Database: Vertica, Neo4j, MySQL, Oracle 10g, MongoDB

Software: Eclipse, NetBeans, Dr Racket, DB Visulaizer, Aqua Data Studio

Data Analytics: 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 looping through resultset of 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.
- Helped team with SQL tuning and optimization for better performance while retrieving huge data using aggregate and analytic functions.

Northeastern University, Boston, MA

Jan 2015 – May 2015

Head Teaching Assistant, Fundamentals of Computer Science II

- Responsible for designing and teaching labs, oversee grading of homework sets, help grade exams and hold office hours to help students with learning material.

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

Boostr – Intuit Inc.

Jun 2015 – Present

- Developed web application helping young people get personalized financial guidance.
- Leveraged Mint's personal financial data to give financial guidance based on expenses, comparing user trend with other based on same profession or age or income group.
- Filed Patent for the same business and guidance algorithm under proprietary of Intuit Inc.

Hotel Reservation System

Sep 2014 – Present

- Developed web application using Expedia Affiliate Network API, J2EE, JPA and MySQL database.
- Created restful web services to provide more control over the design of the data.
- Implemented real time analytics for improving customer booking experience – Ongoing.

Data Retrieval Systems

Jan 2015 – May 2015

- Stored and indexed 80000 complex unstructured corpus of data in Elasticsearch using Python.
- Implemented vector space models and language models such as Okapi TF, Okapi BM25 and Unigram LM.