

Surekha Jadhvani

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EDUCATION

Northeastern University, Boston, MA

Master of Science in Computer Science

September 2015 – May 2017 (expected)

GPA: 3.75/4.0

Coursework: Algorithms, Programming Design Paradigms, Special topics in Computer Systems - Cloud Computing, Parallel Data Processing in Map Reduce, Web Development

University of Mumbai, V.E.S. Institute of Technology, India

Bachelor of Engineering in Computer Engineering

June 2012

GPA: 3.9/4.0

TECHNICAL KNOWLEDGE

Languages: Java, Python, C++, R, C, HTML, JavaScript, LaTeX, Scala, Racket(Lisp/Scheme)
Databases: Oracle, Microsoft SQL Server, IBM DB2, MySQL, Microsoft Access, MongoDB, HBase, Hive, PostgreSQL
TIBCO Products: SpotFire, MDM, BusinessWorks, Administrator, EMS, ActiveSpaces, Patterns
Other Tools: Eclipse, Pentaho – Kettle, Netbeans IDE, OMNeT++, RAD, SoapUI, RStudio, Git, Hadoop, AWS, Spark, Docker
Technologies: Web services, XML, XSLT, XPATH, jQuery, Google Web Toolkit, CSS, PHP, ANT, Apache Tomcat, Maven

WORK EXPERIENCE

H2O.ai, Mountain View, CA

Data Scientist Intern

September 2016 – Present

- Integrating deep learning frameworks TensorFlow, Caffe, MXNet with H2O backend to solve real world problems

Facebook, Menlo Park, CA

Software Engineer Intern

May 2016 – September 2016

- Worked on personalizing commerce search using machine learning models

Northeastern University, Boston, MA

Graduate Teaching Assistant

January 2016 – April 2016

- Supported the Database Design class of 80 undergraduate students in understanding the course material
- Reviewed, graded and provided constructive feedback on the weekly submissions and client end projects

TIBCO Software Inc., Mumbai, India

Associate Consultant

July 2012 – July 2015

- Developed a smart, generic data-extractor plug-in using Pentaho-Kettle, an open source ETL tool and TIBCO BusinessWorks to extract large hierarchical data sets dynamically from TIBCO MDM which reduced time-to-deliver reports and manual efforts by 80%
- Devised AJAX UI framework for TIBCO MDM using GWT, wsdl2java and Apache CXF to facilitate data extraction, loading and publishing as the project lead
- Improved efficiency of TIBCO MDM by integrating it with TIBCO ActiveSpaces, a NoSQL in-memory distributed data grid

ACADEMIC PROJECTS

MapReduce Framework, Northeastern University

Java, AWS SDK

March – April 2016

- Created custom MapReduce framework which runs basic MapReduce jobs on AWS EC2 machines

Hybrid Cloud Services, Northeastern University

Java, Spark, AWS, Shell, Scala

January – April 2016

- Implemented data segregation mechanism with auto-scaling to distribute live twitter feed across public and private clouds based upon text and regex based user configuration for identifying sensitive data
- Ran analytical jobs to find geo-wise/language data distribution in twitter feed on hybrid cloud environment

Data Science Project, Northeastern University

Java, Hadoop, AWS EMR, R

January – March 2016

- Predicted flight delays and recommended flight itineraries to passengers using machine learning models
- Analyzed fuel cost and ticket price relation, inflation pattern in ticket prices, effect of recession on ticket prices using Hadoop MapReduce on Airline Carriers data of over 27 years

Green Computing, University of Mumbai, India

OMNeT++, C

June 2011 - April 2012

- Simulated and evaluated performance of TCP variants over wireless networks using OMNeT++ and C to optimize resource utilization and establish steps toward green computing

CERTIFICATIONS

- TIBCO BusinessWorks 5 May 2014
- Web Hacking & Security Professional September 2010
- IBM Certified Database Associate - DB2 9 Fundamentals August 2010