

UTKARSH JADHAV

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EDUCATION

Northeastern University, Boston, MA

September 2014 - December 2016

Master of Science in Computer Science

Related Courses : Programming Design Paradigm, Database Management Systems, Algorithms, Computer Systems, Data Mining Techniques, Information Retrieval, Parallel Data Processing in MapReduce

Activities : Teaching Assistant for course Object-Oriented Design (Spring 2015),

Volunteer for PanIIT 2016 Leadership Conference

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India

June 2008 – June 2012

Bachelor of Engineering in Computer Science and Engineering

Related Courses : Data Structures, Design and Analysis of Algorithms, Software Engineering

Activities : Founding member of Aurangabad Linux Users' Group (ALUG)

PROFESSIONAL EXPERIENCE

eResearchTechnology (ERT), Boston, MA

February 2016 - July 2016

Product Software Engineer Co-op

Technology : Java8, Python, JavaFX/Swing, XML, Robot, PowerShell, Jenkins

- Designed and implemented components of clinical trial study software using JavaFX/Swing, XML
- Developed RPC/Automation API bridging Java project with Robot framework using Python2.7, Java8

edX, Cambridge, MA

May - August 2015

Summer Engineering Intern

Technology : Python, Django, Jenkins

- Designed and implemented call logs profiling library for debugging issues in Production. Link - [goo.gl/alRaCO](#)
- Diagnosed and fixed edX-platform bugs improving response time on production working with Platform team

Indian Institute of Technology Bombay (IITB), Mumbai, India

March - August 2014

Software Developer

Technology : Python, Django

- Contributed to open source project – Blended MOOC through open-edX, part of iitbombayx.in
- Implemented Direct Staff Grading feature for essay-like Open Response Assessment (ORA) questions

Lakshya Infosys, Aurangabad, India

July 2012 – June 2013

Software Developer

Technology : ASP.NET, C#, MySQL

- Implemented database modules for inventory ERP software development projects using ASP.NET, C#

ETH Research Lab, Pune, India

January – May 2010

Software Development Intern

- Designed MySQL database of Q&A for secondary school subjects, enhanced web portal using Joomla CMS

TECHNICAL SKILLS

Programming Languages	: Python, Java, JavaScript, C, Bash Shell, Scheme (Racket), C++
Data Science Tools	: SciPy Ecosystem, WEKA, MapReduce(Hadoop), AWS EMR
Database Platforms	: SQL : MySQL, PostgreSQL, NoSQL : MongoDB
Web Technologies	: Django, RESTful Web Services, MEAN (NodeJS, AngularJS), Bootstrap, HTML5, CSS
Others	: Git, XML/XPath, Jenkins, JSON, Sublime, \LaTeX , Jira, Confluence
Operating Systems	: Linux : Ubuntu, Fedora, Others : Windows7/10, OS X

ACADEMIC PROJECTS

Information Retrieval System Back End (Search Engine) (Python, BeautifulSoup) Link - [goo.gl/dqyEYd](#)

Implemented web-crawler and indexed CACM corpus ($\approx 180,000$ web documents) enhancing speed of retrieval

Developed search engine using PageRank and BM25 algorithms, evaluated the performance

Classification of Income from Census Data using Multiple Classifiers (Java) Link - [goo.gl/Syvnse](#)

Designed a classification model using Ensemble Learning method for US Census Data ($\approx 50,000$ records)

Achieved accuracy of 86% in predicting if earning of a person is more than \$50,000 per year

Movie Reviews - On-line Social Network, and Search Portal (MEAN) Link - [goo.gl/Uz5E7m](#)

Designed and developed a responsive web application using MongoDB, AngularJS, NodeJS, TMDb API

Implemented authentication and session management using PassportJS

Predict sightings of the Red-winged Blackbird (Spark, MLLib, AWS EMR, Scala) Link - [goo.gl/Qzi37Q](#)

Implemented classification model using parallel processing program upon distributed data using Spark, and Scala

Analysed, tested performance for better distributed scale-up and increased speed-up

Knowledge Intensive Database System for Healthcare Scenario [Research] (PL/SQL, Oracle Data Miner)

Simulated Object Oriented Decide Act (OODA) on MIMIC II dataset working with Oracle Corporation

Implemented Support Vector Machine (SVM) using Oracle Data Miner