

# UTKARSH JADHAV

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Available for full-time position starting February 2017

## 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

<b>Programming Languages</b>	: Python, Java, JavaScript, C, Bash Shell, Scheme (Racket), C++
<b>Data Science Tools</b>	: SciPy Ecosystem, WEKA, MapReduce(Hadoop)
<b>Database Platforms</b>	: SQL : MySQL, PostgreSQL, NoSQL : MongoDB
<b>Web Technologies</b>	: Django, RESTful Web Services, MEAN ( NodeJS, AngularJS) Bootstrap, HTML5
<b>Others</b>	: Git, XML/XPath, Lucene, Jenkins, JSON, Sublime, L <sup>A</sup> T <sub>E</sub> X
<b>Operating Systems</b>	: Linux : Ubuntu, Fedora, Others : Windows7/10, OS X

## ACADEMIC PROJECTS

**Information Retrieval System Back End (Search Engine)** (Python, Beautiful Soup) 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

**Knowledge Intensive Database System for Health-care 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

**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