

UTKARSH JADHAV

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Available for full-time position starting December 2016

EDUCATION

Northeastern University, Boston, MA

September 2014 - Present

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)
Database Platforms	: SQL : MySQL, PostgreSQL, NoSQL : MongoDB
Web Technologies	: Django, RESTful Web Services, Node.js, Bootstrap, JSON, HTML5, Selenium, Robot
Others	: Git, XML/XPath, Lucene, Jenkins, Sublime, \LaTeX
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

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

Implementation of Simple Derivate of the Unix FFS file system (C)

Implemented code for read-only and read-write command-line access using FUSE API in C

Tested the implementation of file system using shell scripting via FUSE access