**Srinivasan Rajappa**

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**EDUCATION**

**Master of Science**, Computer Science, (Expected June 2016)

**University at Buffalo**, **State University of New York, Buffalo**, NY

**Bachelor of Technology**, Computer Science and Engineering, (May 2012)

**Jaypee University of Eng. and Tech,** Madhya Pradesh, India **GPA 7.3/10.00**

**COURSEWORK**

Introduction to Machine Learning, Modern Networking Concepts, Database Systems, Stochastic Modeling and inference, Distributed systems seminar, Computer Vision and Image Processing, Algorithms for modern computer systems, Computer Security.

**SKILLS**

* Software Languages: C/C++, Java, Python, PL/SQL, R, Elixir, MATLAB
* Database: PostgreSQL, MySQL, MongoDB, Oracle 9i/11c
* Frameworks: Phoenix Web-framework, Hadoop Framework, Python Django
* Operating Systems: Linux, Windows, Mac

**WORK EXPERIENCE**

***Teaching Assistant***, University at Buffalo, NY (March, 2016 – Present)

* Teaching Assistant under Dr. Bina Ramamurthy, for the Graduate course [CSE 487/587: Data Intensive Computing](http://www.cse.buffalo.edu/faculty/bina/cse487/spring2016/index.html).
* Responsible for preparing tutorials and blogs on topics ranging from Pig, MapReduce and Spark of the Hadoop eco-system.
* Held Q&A sessions for students in class and course forums for resolving issues and clearing doubts for ~120 students.

***Software Engineer Intern at Zappos.com***, Buffalo, NY (Co-op Fall 2015)

* Single handedly migrated the database (from MongoDB to MySQL) of many dashboard applications at Zappos.
* Led the process of end to end migration from data dump to data consolidation in the final database.
* Created scripts in Python to convert the data collections in MongoDB to SQL create and insert statement data dumps.
* Architected new Database schemas in MySQL Workbench for all the SOA applications.
* Safely wrapped data and fed it to MySQL DB by extracting dumps using hex models like Ecto (Elixir).
* Performed beta testing after successful migration of all the applications.

***Software Engineer (Operation Support System) at******Accenture Services Pvt. Ltd.***, Bangalore, INDIA (March 2013 - July 2014)

* Provisioned new telecom services for Wind Italy viz. Telephone number portability, 4G transition & High-Speed Broadband.
* Responsible for handling database of the system for provisioning and validation of network services in real time.
* Served the role of Database Administrator and stewarded oracle database replications and tune up.
* Installed Oracle applications in remote systems in Italy. Worked with teams on-site to resolve issues on crucial deliverables.
* Presented a live seminar on role of Operations Support Systems in Telecom industry. Event attendance ~700.

***Network Engineer Intern at HCL Infosystems,*** Delhi, INDIA (June 2010 – August 2010)

* Architected network devices layout for Main Press Centre in preparation to CommonWealth Games 2010.
* Delegated work on setting up the network devices across the venue. Configured and troubleshooted the devices in the venue.
* Part of the team that setup DHCP servers and system agglomeration servers in the venue.
* Main Press Centre received guests around the world and the live press coverage of the games happened from that venue.

**TECHNICAL PROJECTS [**GitHub - [**https://github.com/srajappa**](https://github.com/srajappa)]

***Remote File sharing Application*** (Computer Networks) – POSIX P2P application for transferring files. **[C/gcc]**

***Distance Vector Routing*** (Computer Networks) – POSIX application to simulate routing algorithms on CSE servers. **[C/gcc]**

***Handwritten Digit Recognition*** (Machine learning) – Trained system using Neural Networks and Logistic regression. **[MATLAB]**

***SQL Query evaluator*** (Database Systems) – command line application that implements SPJUA queries. **[Java/Eclipse]**

***Distributed Hash Table*** (Distributed Systems) – Android VMs configured to implement DHT based on Chord **[Android/Gradle]**

***Supreme Court-Case Viewer*** (Software Engineering) – Android application to display court listings of Supreme Court of India

***Budget Canteen*** (Zappos.com) – command line application to determine the best choice of combination of foods. **[C/gcc]**

***Blog Application*** (Hobby project) – web application enabling creating and customize a blog. **[Phoenix Webframework]**

**ACHIEVEMENTS AND AWARDS**

* Bronze medalist at Counter Code 2015 hosted by Hackerrank.
* Accenture Stellar award for innovative and exceptional performance for the quarter 2013-2014.