

# Srinivasan Rajappa

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## EDUCATION

**Master of Science**, Computer Science,  
**University at Buffalo, State University of New York, Buffalo, NY**

(Expected June 2016)

**Bachelor of Technology**, Computer Science and Engineering,  
**Jaypee University of Eng. and Tech**, Madhya Pradesh, India

(May 2012)  
**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.
- 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> ]

**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.

<https://www.linkedin.com/pub/srinivasan-rajappa/27/438/602>