

Srinivasan Rajappa

(716) 907-2239 | srajappa@buffalo.edu

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.

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.
- Safely wrapped data and fed it to DB by extracting dumps using models like Ecto, python scripts were created for dumps.
- Architected and augmented the underlying the new database schema on which the dashboard applications run.
- The migration was a part of overhaul of all applications in the Zappos tech stack.

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.
- Installed Oracle applications in remote systems in Italy. Worked with teams on-site to resolve issues on crucial deliverables.
- Served the role of Database Administrator and stewarded oracle database replications and tune up.
- 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.