

# ADIL Z. ANSARI

227 Minnesota Avenue, Buffalo NY 14215

(713) 732-9820 • mansari@buffalo.edu • <http://www.adilansari.com>

---

## EDUCATION

### University at Buffalo, The State University of New York

Master of Science in Computer Science

*Expected Feb. 2014*

*Selected Coursework:*

- Analysis of Algorithms • Operating Systems • Networking Concepts • Distributed Systems
- Distributed and Parallel Processing • Data Intensive Computing • Software Engineering

### Gautam Buddh Technical University

Bachelor of Technology in Computer Science

*June 2011*

*First Division*

---

## RELEVANT EXPERIENCE

### Samsung Telecommunications America

*May 2013 - Aug. 2013*

#### Software Engineering Intern

- Contributed to the development of RESTful web services over mobile platforms.
- Developed Object Oriented code to port the existing framework onto Android networking library, Volley.
- Enhanced the execution of JSON/Bitmap REST calls using Volley's in-memory and disk caching.

### eGain Communications Pvt. Ltd.

*July 2011 - July 2012*

#### Software Testing Engineer

- Collaborated testing on Cisco Unified Intelligent Contact Management software, provided ad-hoc and case driven testing during product life cycles.
- Lead testing efforts as a primary resource on Cobrowse project for global clients like Statefarm, USA.
- Developed an internal knowledge base portal to ensure better collaboration and quick disposal of information.
- Participated in design reviews and provided feedback to multiple teams.

---

## ACADEMIC PROJECTS

### Amazon's Mini Dynamo

*Spring 2013*

- Technologies: Developed on Android platform; programmed in JAVA.
- A stripped-down version of Dynamo, backend storage for Amazons services with real time node joins.
- Implemented ID space partitioning and applied ring based routing scheme for load distribution.
- Quorum based replicated Key-Value storage with failure handling.

### Totally and Causally Ordered Group Messenger on Android

*Spring 2013*

- Technologies: Developed on Android platform; programmed in JAVA.
- A group messenger that preserves total ordering as well as causal ordering of all messages.
- Ordering preserved by combining sequencer algorithm and vector time stamp methods.
- Implemented a key-value table to store all messages on local storage of the device.

### Twitter data analysis using MapReduce

*Spring 2013*

- Technologies: MapReduce programming model on Hadoop cluster; programmed in JAVA.
- Aggregated and cleaned a data set of approximately six million tweets.
- Designed and implemented multiple MapReduce algorithms for word, hashtag and mention counts.
- Tracked the trending topics using discovered knowledge.

### Multithreaded Web Server

*Fall 2012*

- Technologies: POSIX Thread and UNIX Socket programming in C .
- Designed and implemented a multithreaded web server 'myhttpd' on the UNIX platform.
- Developed a queuing and scheduler module on separate thread and dispatcher module using thread pool.
- Implement Shortest Job First and First Come First Serve CPU scheduling policies to serve the requests.

### Peer to Peer file sharing system

*Fall 2012*

- Technologies: Thread and Socket programming in JAVA.
- Decentralized p2p distributed file sharing program prototyped and implemented on Gnutella protocol.
- Search query is flooded through network, and a central routing table is maintained for all peer activities.
- Developed a functionality to log the incoming requests and to generate a directory index.

---

## CERTIFICATIONS

- ★ Oracle Certified Professional, JAVA SE 6 Programmer.
- ★ Sun Microsystems certified JAVA Web Application Developer.

---

## SKILLS

- \* **Software Development:** Incremental methods, Requirements Specification, Software Design and Testing.
- \* **Programming:** JAVA, C, Python, SQL, MATLAB, Javascript, HTML,  $\text{\LaTeX}$
- \* **Platforms:** Android, Hadoop MapReduce.
- \* **Operating Systems:** UNIX, GNU/Linux, Win32.
- \* Familiarity with Threads, Sockets, TCP/IP, Network Programming, REST, version control development using Git.

---

## PROFESSIONAL AFFILIATIONS AND HONORS

- Third best product in communications category at OpenHack Hackathon *Summer 2013*
- Association for Computer Machinery, Member *Sep. 2012 - Present*