

# ADIL Z. ANSARI

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## 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 ◦ Software Engineering
- Distributed Systems ◦ Data Intensive Computing ◦ Wireless Network Security

### Gautam Buddh Technical University

Bachelor of Technology in Computer Science

*June 2011*

*First Division*

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## CERTIFICATIONS

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

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## RELEVANT EXPERIENCE

### 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.

### Zensar Technologies Ltd.

*Aug. 2009 - Aug. 2010*

#### Software Developer Intern

- Supervised and lead a team of 8 people during the design phase of the project.
- Defined acceptable business rules and standards.
- Designed and developed reusable software components.

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## ACADEMIC PROJECTS

### 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 one 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 .
- Developed a queuing and scheduler module on separate thread and dispatcher module using thread pool.
- Implemented Shortest Job First and First Come First Serve CPU scheduling policies to serve the requests.
- Developed a functionality to log the incoming requests and to generate a directory index.

### Peer to Peer file-sharing system

*Fall 2012*

- Technologies: Thread and Socket Programming in JAVA.
- Decentralized p2p distributed file sharing program on the UNIX platform handling multiple connections.
- Nodes can communicate over TCP alongwith real time traffic monitoring.
- Search query is flooded through network, and a central routing table is maintained for all peer activities.
- Prototyped and implemented on Gnutella protocol.

### Distributed Event Coordination System

*Fall 2012*

- Technologies: Simulated in C on UNIX platform.
- Event ordering graph is maintained at a centralized server for multiple clients in a distributed environment.
- Incoming request is rejected in case of a conflict.
- Clients can query anytime to get the associated relationship between any two events in the graph.

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## SKILLS

- \* **Software Development:** Incremental methods, Requirements Specification, Software Design and Testing.
- \* **Programming:** JAVA, C, Python, MATLAB, Javascript, HTML, L<sup>A</sup>T<sub>E</sub>X
- \* **Platforms:** Android, MapReduce, Hadoop.
- \* **Operating Systems:** UNIX, GNU/Linux, Win32.
- \* Familiarity with Threads, Sockets, TCP/IP, Network Programming, Version control development using GIT.

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## PROFESSIONAL AFFILIATIONS

- Association for Computer Machinery, Member

*Sep. 2012 - Present*