

## Akash Pandey

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3521-302 Ivy Commons Dr.  
Raleigh, NC 27606  
(919) 579-3411, apandey5@ncsu.edu

<b>SUMMARY</b>	Software developer with three years of experience in developing server side scalable storage solutions for telecom operators. Have experience in NoSql databases. Looking for summer internship opportunities.
<b>EDUCATION</b>	<p><i>Master of Computer Science</i> NC State University, Raleigh, NC, expected graduation in December 2016 Courses: Data intensive computing, Computer networks, Object oriented design and development</p> <p><i>Bachelor of Technology</i> A.K. Garg Engineering College, Ghaziabad, India, completed June 2012 Major: Computer science and engineering Percentage: 70.9%</p>
<b>EXPERIENCE</b>	<p><i>Senior Engineer-R&amp;D</i> September 2012 - August 2015 Mavenir Systems (now Mitel Networks), Bangalore, India Worked in small teams of 2-3 people, taking ownership of the products. Was involved in following projects:</p> <ul style="list-style-type: none"><li>• <i>Wrapper client library in C++ for Cassandra NoSql database</i>: Built a Thrift RPC based access layer with connection pooling and thread pooling. The library was used by various products interacting with Cassandra.</li><li>• <i>Centralized file storage for telecom</i> : Built an OpenStack Swift and Cassandra based file store with IMAP abd REST based front end connecting to user's smartphones.</li><li>• <i>Visual Voicemail server</i>: Customized the generic distributed file store to comply with Apples Visual VoiceMail specifications. The product is currentl serving live user traffic.</li><li>• <i>Generic relational content storage for Rich Communication Suite (RCSe)</i>: Developed HTTP/REST based API calls and the backend Oracle stored procedures.</li></ul>
<b>OTHER PROJECTS</b>	<p><i>Building a Genetic algorithm framework on Apache YARN</i>: The project aims at distributing GA operations onto YARN clusters for performance speed-ups.</p>
<b>ACHIEVMENTS</b>	Received five separate "SPOT" awards in recognition of outstanding contribution to a project at my first employer-Mavenir Systems.
<b>TECHNICAL SKILLS</b>	<p><i>Languages</i>: C/C++, shell scripting, Ruby. <i>Databases</i>: Cassandra, OpenStack Swift, Oracle. <i>Tools</i>: gdb, Valgrind, Wireshark. <i>Operating Systems</i>: Linux, Windows.</p>
<b>PUBLICATION</b>	<p>"Design of a Parallel Migrating Web Crawler" The paper proposes a simple mobile agent based design for introducing both parallelism and migration in a web crawler.(<a href="http://bit.ly/1VjDNMz">http://bit.ly/1VjDNMz</a>)</p>