

Akanksha Chandre

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EDUCATION

Masters in Computer Science – Anticipated graduation: May 2017 GPA: 3.833

North Carolina State University

Bachelors of Engineering in Information Technology – 2009-2013 GPA: 3.8

University of Mumbai

TECHNOLOGY SKILL SET

- **Programming Languages:** Java, Python, C, R, Apache Spark, C++, Android
- **Web Skills:** Node JS, AngularJS, Ionic, JavaScript, HTML5, CSS, JSP, XML
- **Databases:** MongoDB, Oracle 10g, MySQL
- **Code Repositories:** GitHub, SVN
- **Other Technologies:** Hibernate Framework, Mule ESB Framework and Vaadin

WORK EXPERIENCE

Samsung Electronics America (6 Jun 2016 – 12 Aug 2016) – Application Developer Intern

- Developed a web portal for the Talent Acquisition Team at Samsung for creating interviewee profile, schedule calendar events and chat with the interviewees. Node JS used for server side development and AngularJS for front-end.
- Developed a hybrid mobile application using Ionic that allows interviewees to view their uploaded information, their scheduled events and chat with the members of Talent Acquisition team.
- Portal aims at making the recruiting process more streamlined and easier for the Talent Acquisition Team. The mobile application is a part of the 'Candidate Experience' project which aims at improving the interviewee experience.

Accenture Services Limited (27 Nov 2013 – 3 Jul 2015) – Software Engineer

- Part of the development team responsible for implementing and extending the functionality of an application used by investment banks to manage their back office operations. Java was used for development along with other technologies like Mule ESB.
- Worked closely with project leads in ensuring smooth deliverables to customers by ensuring best coding practices, by developing Remote Interfaces, implementing JavaBean classes along with writing robust J-Units.
- Developed the GUI of the application along with developing an automation tool that performs sanity check of the application.

ACADEMIC PROJECTS

Automatic Provisioning and Configuring Servers using Node.js (Sept 2016)

Provisioned DigitalOcean and AWS instances and configured nginx server using Ansible playbook on both.

User level no preemptive threading library in C (Sept 2016)

Built a threading library similar to pthreads using context switching and semaphores.

Sandboxing system calls using p-trace in C (Sept 2016)

Built a sandbox that guards accesses to all files by a program.

Home Depot Product Search Relevance using Python and R (Apr 2016)

Compared different models for predicting the relevance of a product search based on search term.

Peer-to-Peer with Centralized Index (P2P-CI) System for Downloading RFCs using Python (Mar 2016)

P2P architecture that allows peers to download RFCs from server and share with each other.

UDP based FTP using Java (Apr 2016)

Implemented the Go-Back-N and selective repeat protocol.

Library Management System for NC State's Hunt Library (Sep 2015)

Designed a database application to assist with the administration of the library using Java and Oracle 10g.

Buffer Management for SimpleDB (Oct 2015)

Page replacement policy was implemented as a part of Buffer Management for SimpleDB.

Android Application for Secure Communication (July 2012 – May 2013)

An application was developed that encrypted and decrypted text messages and voice calls, thus making them secure from over the network attacks.