

AKANKSHA CHANDRE

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EMPLOYMENT

Software Engineer II	Cisco Systems, Massachusetts	July 2017-Present
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- Working on open source project(traffic control) to customize features,using python and Salt apis,according to client requirements to manage and deploy content delivery networks
- Developed terraform and python scripts to provision openstack instances, and deployed the latest product builds.
- Automate testing of microservices running on docker containers using python and bash scripts

Application Developer, Intern	Samsung Electronics America, New Jersey	Summer 2016
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- Developed a web portal for the Talent Acquisition Team to create and maintain interviewee profiles along with their interview schedules and a capability to chat with the interviewees. Node.js, MongoDB and AngularJS used.
- Developed a mobile application for incoming interviewees to view their profiles and interview schedules with chat capabilities. Ionic Framework used.

Software Engineer	Accenture Services Limited, India	Nov 2013 - July 2015
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- Developed user interface and backend client service architecture for a trading application using Spring Framework, Hibernate and remote services in Java. Ensured best coding practices and robust deliverables by writing strong JUnits.
- Automated the sanity check of the trading application by developing a tool to run SQL queries and publish anomalies to a dashboard.

EDUCATION

Raleigh, NC	North Carolina State University	Fall 2015 – May 2017
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- M.S. in Computer Science, May 2017. GPA: 3.8
- Coursework: Design and Analysis of Algorithms; Database Management Systems; Operating Systems; DevOps; Computer Networks; Internet Protocols; Software Engg; Advanced Data Structures.

Mumbai	University of Mumbai	Aug 2009 - May 2013
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- B.E in Information Technology, May 2013. GPA: 3.8

TECHNICAL EXPERIENCE

Projects - <https://github.com/akankshachandre>

- **Text Editor using Binary search tree** (Spring 2017). Implemented a text editor using a balanced binary search tree to optimize insertions, deletions and updates.
- **End to end deployment pipeline** (Fall 2016). Pipeline, to build, analyse, test and deploy an open source project in a production environment hosted on AWS using NodeJS,Redis and Ansible with an ability to monitor performance using NewRelic and perform autoscaling of components with the use of Doctor Monkey.
- **Automatic provisioning of servers**(Fall 2016). Provisioned servers on AWS and DigitalOcean using their code api and installed nginx server on each using Ansible.
- **In memory FUSE file system**(Fall 2016). Developed an in memory filesystem using FUSE in C. This file system supports basic POSIX file system operations like open, close, read, write, create, mkdir, unlink, rmdir, opendir.
- **Sandbox for system calls**(Fall 2016). Sandbox that guards all accesses to a file on Linux using C.
- **Microshell in C**(Fall 2016). Shell to execute user level commands supporting piping and input output redirection.
- **Home Depot Product Search Relevance**(Spring 2016). Compared different regression models for predicting product search based on a search term using Python and R.
- **P2P architecture for downloading RFC's**(Spring 2016). P2P architecture that allows peers to download RFCs from server and share with each other using Python.
- **Android Application for Secure Communication**(Apr 2013). An application was developed that encrypted and decrypted text messages and voice calls, thus making them secure from over the network attacks.

LANGUAGES AND TECHNOLOGIES

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- Java; C; Python; Node.js; PyTest;AngularJS; Ionic Framework;SQL; MongoDB;Android; HTML; R; C++
 - Git; SVN; Eclipse; Jenkins; Maven; Ansible; Redis; Docker; Terraform