

# Utsav Dholakia

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**OBJECTIVE:** To obtain a challenging position that will enable me to use my strong knowledge in Computer Science, problem solving and organizational skills, and ability to work well with people

## TECHNICAL SKILLS:

**Programming Languages:** Java, C, JavaScript, Python | **Database:** SQL, MySQL, MongoDB | **Web Techs:** HTML5, jQuery, ES6, Node.js, AngularJS, React.js, Redux, EmberJS, BackboneJS, React Native, Mocha, Chai, AJAX, REST, J2EE, Tomcat, Hibernate, Servlet, JSP, XML, Spring Boot, CSS, Bootstrap | **Tools & Techs:** Git, SDN, Socket Programming, Distributed Systems, Multi-Threaded Programming, AWS, OpenStack, Android, Jira, Agile Methods, CI/CD, Jenkins, Eclipse, IntelliJ, Perforce

## WORK EXPERIENCE:

**Sprint** **Overland Park, USA** **Research and Development Intern** **May 2017-Aug 2017**

- Implemented **REST services** using **Node.js** to demonstrate **CDNI** by streaming video through chosen CDN servers
- Developed Webapp for people authentication on **OpenStack** platform using **REST services in Node.js** and **UI in React.js**
- Designed **IoT** project utilizing **Humanoid** Sanbot to identify and greet users entering the store and to scan the inventory
- Built **React Native** mobile app for registration, beacon detection and triggering profile and location sharing with server

**Copart Inc.** **Dallas, USA** **Software Development Intern** **May 2016-Nov 2016**

- Developed scalable **REST services** using **Spring framework** and **MyBatis** to validate and store bidding data into datastore
- Implemented generic, isolated **Angular directives and services** that present content uniformly across various products
- Built **client and services** for users to sign up, unsubscribe and edit the email alerts using the **Salesforce** marketing cloud
- Implemented **REST service** to export tabular data sets into csv files with **internationalization** support

**Samsung Electronics** **Noida, India** **Software Engineer** **Dec 2012-Jul 2015**

- Implemented **XML parsing** code to read values from audio driver and generate audio profiles for tuning
- Developed **Echo Defect Measurement** feature to detect audio leakage
- Integrated **NXP voice enhancement library** using single mic solution for galaxy smartphones
- Worked on implementing **Push-to-talk** feature in a low performance chipset
- As a **Software Project Manager**, launched Samsung Galaxy S6 and other smartphones for the Orange telecom carrier

## EDUCATION:

**The University of Texas at Dallas, Richardson, TX**

**December 2017**

M.S. in Computer Science

GPA : 3.82/4

**Nirma University, Institute of Technology, Ahmedabad, Gujarat, India**

**May 2013**

Bachelor of Technology in Computer Engineering

GPA : 7.58/10

## ACADEMIC COURSEWORK:

Web Programming Languages, Development and Analysis of Algorithms, Advanced Computer Networks, Network Security, Advanced Operating Systems, Software Defined Networking, Database Design, Semantic Web

## ACADEMIC PROJECTS:

### E-Commerce Website

- Developed fully featured Responsive and Scalable E-commerce website based on Service-Oriented architecture
- Technologies used:** Java Jersey Framework, REST, HTML5, Servlet-JSP, jQuery, MySQL, Hibernate, Memcached

### Global Consistent Snapshot of Distributed System

- Implemented Chandy-Lamport's protocol to capture global consistent snapshot of distributed system and channels
- Technologies used:** Java, Socket programming, Multi-threaded programming

### Database Engine

- Built rudimentary SQL like database engine that parses and executes SQL like queries and indexes files
- Technologies used:** Java, SQL

### Cloud File sync

- Developed File syncing utility using Android app and Desktop clients and AWS cloud server
- Technologies used:** Java, Android, AWS EC2

### Distributed Mutual Exclusion algorithm

- Implemented Lamport and Ricart-Agrawala's algorithms to showcase mutual exclusion in distributed systems
- Technologies used:** Java, Socket Programming, Multi-threaded programming