

## EDUCATION:

**University of Southern California , Los Angeles, CA, U.S.A**  
Masters of Science in Computer Science

**May 2019**

**Charotar University of Science & Technology, Anand, GJ, India**  
Bachelor of Technology, Computer Engineering

**May 2017**

## TECHNICAL SKILLS:

- **Languages:** C, C++, C#, Java, Python, HTML5, CSS3, JavaScript, PHP, SQL, AngularJS, Node.JS, Express.JS, ReactJS.
- **Frameworks and Libraries:** Spring, Hibernate, Bootstrap, AJAX, JQuery, Elasticsearch, Kibana, Hadoop, Apache Solr, MVVM, MVC, Kafka.
- **Database:** MS Access, MySQL, Oracle SQL, NoSQL, PostgreSQL, MongoDB.
- **Tools and Tech:** Eclipse, NetBeans, Android studio, PyCharm, Google cloud, AWS, Git, Perforce, Jenkins, Jira, Unity3D.

## PROFESSIONAL EXPERIENCE:

**Intel Corporation, Chandler, Arizona | Graduate Technical Intern – Software Development**

**January 2019 – May 2019**

- Worked with the backend test and technology team to develop highly scalable and fault tolerant software to integrate the chip testing tools with the software infrastructure for effective real time data analysis and visualization.  
*C#, MVVM, Kafka, Elasticsearch, Logstash, Kibana, Filebeat, Metricbeat, SQL*

**Symantec Corporation, Culver City, California | Intern – Master's Level**

**June 2018 – August 2018**

- Worked with the Norton Core IoT team to integrate setup, run tests on different setups, manage automation workflows and systems for engineering teams.
- Created real time Dashboards using Kibana Framework to visualize Elasticsearch data for log and time series analytics, application monitoring, and operational intelligence of the router.
- Developed a tool by utilizing the Retail Product Mapper (RPM) web service API to pair Norton Core Units to a specific retailer during forward distribution to that retailer, as well as to initiate returns processing for returned Norton Core units.  
*Python, Linux, AWS, Jenkins, Perforce, Elasticsearch, Kibana, Node.js, Express.js, Bootstrap, JavaScript, REST API*

**TecSo Global, India | Software Engineering Intern**

**January 2017 - May 2017**

- Developed an examination portal allowing the company to conduct examination on several courses and perform detailed analysis of the result in a graphical representation to easily evaluate trainee's performance in a particular course.
- Leveraged MVC architecture of Java Server Pages (JSP) with MySQL and Spring as the model for this application.  
*HTML5, CSS3, JavaScript, Bootstrap, Java, Spring MVC, JFreeChart API, JSP, JDBC, AJAX, jQuery, MySQL.*

## PROJECTS:

### • Hidden Markov Model POS Tagger

**March 2019**

Developed a Hidden Markov Model Part of Speech Tagger using Viterbi algorithm. Achieved a performance accuracy of 93.58% on unseen data.  
*Python*

### • Search Engine with Auto Complete and Spell Check correction

**November 2018**

Developed a web application to display results for a given query by calculating the page rank for news site NYPOST.com. The Search box also gives Auto-suggestions for queries as we type and spelling suggestions for words which are incorrectly typed.  
*Java, Solr, Apache Tika, PHP, JQuery, AJAX*

### • Travel and Entertainment Search

**May 2018**

A user friendly Web and Android application for keyword based search of places information using the Google Places API, Yelp API and JSON parser. Displayed google map, reviews and photos for the selected place.  
*HTML5, CSS3, PHP, JavaScript, Bootstrap, AngularJS, Node.JS, AJAX, JSON, DOM, XML, jQuery, Android.*

### • Search Query Video

**May 2018**

An application to query a short clip out of a video in the database and match it with the top five most relevant videos in the database. The program is coded in java and employs use of OpenCV library, along with color, motion and sound metrics for matching query video with the database video.  
*Java Swing, OpenCV*