

## DHRUV BHATIA

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GitHub: <https://github.com/dhruvbha>

### EDUCATION

**University of Southern California**, Los Angeles, CA

Master of Science in Computer Science

Currently Enrolled in: Applied Natural Language Processing, Content Detection & Analysis of Big Data

**May 2017**

**GPA: 3.5/4**

**Chitkara University**, HP, India

Bachelor of Engineering in Computer Science

**Jul 2012**

**GPA: 8.66/10**

### TECHNICAL SKILLS

Programming Languages: Java, Python, PHP

Web Technologies: HTML5, CSS3, JavaScript

Data Analytics: Apache Tika

### WORK EXPERIENCE

**Senior Systems Engineer, Infosys Limited**, Mysore, India

**Jul 2012 – Nov 2014**

- Worked on maintenance, enhancement, development and support for on boarding of various business applications, roles, resource adapters, customers and users, with governance using Sun Directory Server v6.3 and Sun Identity Manager v8.1 for leading US based insurance firm

**Systems Engineer – Trainee, Infosys Limited**, Mysore, India

**Jan 2012 - May 2012**

- Built a lightweight 'WAR File Comparator' using Core Java and leveraging the widely used MD5 cryptographic hash function, that compares & output the differences among the files in various formats like PDF, TXT

**Systems Programming Intern, SourceCloud.in**, Chandigarh, India

**Jul 2011 – Dec 2011**

- Developed 'Rating Engine' for an ecommerce platform using PHP CodeIgniter to capture customer feedback

- Improved features like - Automatically Email Customers to Solicit Product Reviews, Customers Can Easily Write and Read Reviews on Mobile Devices, Accept, Reject, or Modify Customer Reviews Prior to Posting, Define Custom Rating Icons, Rating Scale (Min/Max) Defined by Merchant, Reviews Wrapped in Rich Snippets

### USC PROJECT EXPERIENCE

**Title: MIME Type Analysis**

- Performed MIME diversity analysis of TREC-DD-Polar dataset
- Computed and analyzed byte-based fingerprints of the data via BFA, BFD, BFC and FHT
- Built interactive visualizations that display byte histograms using D3 technology (d3.js)
- Augmented and enriched Tika's MIME database with new file types
- GitHub Link: <https://github.com/Kaspect/polar>

**Title: UTF8 Encoder**

- Developed a tool that converts UTF-16 encoded file into UTF-8 format
- GitHub Link: <https://github.com/dhruvbha/UTF8-Encoder>

**Title: Text Classifier**

- Created a program that learns 'Naive Bayes' model from the training data of 1280 files & used the model to classify new data
- GitHub Link: <https://github.com/dhruvbha/Text-Classifier>

### LEADERSHIP

**Department Senator, VGSA, USC**

**Sep 2015 – Present**

**Volunteer/Community Fund Raising Head/President, Make A Difference**, Mysore India

**Jul 2013 – Nov 2014**

**Cultural Exchange Intern, AIESEC**, Chelyabinsk, Russia

**Dec 2009 – Feb 2010**

- Lead English Lessons in Russian schools under the project 'Education Without Borders'
- Speaker at International Youth Conference - 'Actual Economy Development of BRIC Countries'