

## DHRUV SHARMA

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### EDUCATION

<b>Northeastern University</b> , Boston, MA	Sept. 2017-Present
College of Computer and Information Science	Expected Graduation: June 2019
<i>Candidate for Master of Science in Computer Science</i>	
Related Courses: Programming Design Paradigm, Information Retrieval	
<b>Guru Gobind Singh Indraprastha University</b> , Delhi, India	Aug. 2012-June 2016
<i>Bachelor of Technology, Information Technology</i>	
Related Courses: Java, Data Structures, Algorithm Design and Analysis, Database Management Systems	

### TECHNICAL SKILLS

<b>Languages:</b>	Java, Python, Racket, C, C++
<b>Web Technologies:</b>	HTML, JavaScript, CSS, Bootstrap, AngularJS, CakePHP
<b>Databases:</b>	SQL Server, MySQL
<b>Tools:</b>	Git, Jira, MS Office Suite, Visual Studio
<b>Certifications (Coursera):</b>	Introduction to HTML5, Introduction to CSS3, Interactivity with JavaScript, Advanced Styling with Responsive Design, Programming for Everybody (Python), Data Scientist's Toolbox, Introduction to Big Data

### WORK EXPERIENCE

<b>Avalon Information Systems</b> , New Delhi, India	July 2016-July 2017
<b>Software Developer Trainee</b>	
<ul style="list-style-type: none"><li>Upgraded an application to the latest version from CakePHP 2 to 3.</li><li>Overhauled an application to add support for multiple languages and the newly created websites could be viewed in other countries' native language.</li><li>Developed APIs for two applications to be used by other in-house products.</li><li>Added functionality that took advantage of a UN agency's APIs to receive and display appropriate data and also publish data on their servers.</li><li>Fortified products by fixing several bugs for three applications.</li></ul>	
<b>Mera Medicare</b> , New Delhi, India	Feb. 2015-April 2015
<b>Software Intern</b>	
<ul style="list-style-type: none"><li>Designed an android application and organized marketing event with fellow interns to promote startup brand.</li></ul>	

### ACADEMIC PROJECTS

<b>Search Engine</b>	Fall 2017
<ul style="list-style-type: none"><li>Developed a search engine to get most relevant results from a set of Wikipedia pages using Python.</li><li>Implemented models like BM25, tf.idf, Pseudo-Relevance Feedback and Query likelihood method to analyze the results and compared them.</li><li>Implemented PageRank algorithm which contributed to the effectiveness of the search engine.</li><li>Created an inverted index using all the crawled documents, both using depth, and breadth-first search.</li></ul>	
<b>Squash Game</b>	Fall 2017
<ul style="list-style-type: none"><li>Developed a Squash game for a single player in Racket programming language.</li><li>Speed of the ball would increase as the player hits the ball.</li></ul>	
<b>"A Novel Approach for Efficient Information Retrieval in Decision Support Systems"</b>	Jan. 2016-June 2016
<ul style="list-style-type: none"><li>Proposed a method to materialize the right queries for quick information retrieval.</li><li>Implemented approach materializes better queries as compared to traditional methods.</li></ul>	

### EXTRA-CURRICULAR

<b>YouTube Channel: DD TechTV (Co-Creator)</b>	June 2016-Present
Post weekly videos on technology (tips and tricks) and device reviews with 1000+ subscribers.	