

# Dhawal Joharapurkar

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Contact Information	485, Engineering 2 Computer Science Department University of California, Santa Cruz Santa Cruz 95060	<b>email:</b> dhawal@ucsc.edu <b>web:</b> <a href="https://dhawaljoh.github.io">https://dhawaljoh.github.io</a>
Education	<b>University of California</b> , Santa Cruz Ph.D. in Computer Science <b>Advisor:</b> Prof. Lise Getoor  <b>Manipal Institute of Technology</b> , Manipal B.Tech in Computer Science & Engineering <b>Bachelor Thesis:</b> Temporal Scoping of Facts in a Knowledge Base	2016–Present  2011–2015
Work Experience	<b>Xerox Research Centre India</b> , Bangalore Research Intern, Machine Learning and Statistics Group Mentors: Dr. Vaibhav Rajan and Sumit Negi <ul style="list-style-type: none"><li>• Analysis of clinical notes of ICU patients using Topic Models</li><li>• Created a plotting tool to highlight different statistics across classes</li></ul> <b>Indian Institute of Science</b> , Bangalore Project Trainee, Supercomputer Education and Research Centre (SERC) Mentor: Prof. Partha Talukdar [MALL Lab] <ul style="list-style-type: none"><li>• Temporal scoping and ordering of relations in a knowledge base</li><li>• Entity linking and disambiguation in large text corpora</li></ul> <b>Indian Institute of Technology</b> , Kharagpur Summer Research Intern, Dept. of Computer Science & Engineering Mentor: Prof. Sudeshna Sarkar <ul style="list-style-type: none"><li>• Implemented DBSCAN algorithm to find traffic stoppage points and segmented roads based on their speed profiles – automatic profiling of drivers</li><li>• Modified “simplekml” Python module to plot the GPS points on Google Maps</li></ul> <b>DataWeave Software Pvt. Ltd.</b> , Bangalore Summer Intern <ul style="list-style-type: none"><li>• Created data crawlers using Python that aggregated and stored content in JSON dumps</li><li>• Content available via APIs, a few listed at <a href="http://dataweave.in/apis">http://dataweave.in/apis</a></li></ul>	June '15–Jan '16  December '14–May '15  May '14–June '14  May '13–June '13
Teaching Experience	<b>University of California</b> , Santa Cruz Teaching Assistant, CMPS140 Artificial Intelligence, Winter '17	Jan '17–Mar '17
Projects	<b>Question Category Classification</b> <b>Mentor:</b> Prof. Manish Shrivastava Question category classification on TREC data using topic composition features generated by LDA.  <b>Detecting Fibrous Regions in Protein Sequences</b> <b>Mentor:</b> Dr. Smitha Nair Detection of fibrous regions in protein sequences using Support Vector Machines and Bee Colony Optimization for PCA.  <b>Online competition: Photo Tagger – Multi-class classification</b> <b>Leaderboard:</b> 84 out of 644 SVM whose parameters were optimized by GridSearchCV, to classify photos into various classes (people, cars, shoes, buildings, flowers).	July '15 IASNLP, IIIT, Hyderabad  November '13–May '14 Manipal Institute of Technology, Manipal  March '14 CSA, IISc, Bangalore

	<b>Craigslist Post Classification</b> <b>Accuracy:</b> 81% Vectors created by bag of words model and then tf-idf, SVM to classify posts on Craigslist into sections based on the product description.	October '13 Manipal Institute of Technology, Manipal
Publications	<b>Online Adspace Posts' Category Classification</b> Dhawal Joharapurkar, Vaishak Salin, Vishal Krishna 12 <sup>th</sup> International Conference on Natural Language Processing, December, 2015	
Talks	<b>From Big Text to Big Knowledge</b> SERC Open Day 2015	February '15 IISc, Bangalore
Honors	<b>Regents' Fellowship</b> , UC Santa Cruz	2016–17
Online Courses	<b>The Data Scientist's Toolkit</b> coursera.org, 100%  <b>Design and Analysis of Algorithms</b> Massively Empowered Classrooms, 100%  <b>Machine Learning</b> coursera.org, 100%  <b>Algorithms: Design and Analysis, Part 1</b> coursera.org, 98%	June '14 Johns Hopkins University  May '14 Microsoft Research  April '14 Stanford University  July '13 Stanford University