Dhawal Joharapurkar

Contact Information	483, Engineering 2 Computer Science Department University of California, Santa Cruz Santa Cruz 95060	**email:** dhawal@ucsc.edu **web:** https://dhawaljoh.github.io

Education	**University of California**, Santa Cruz Ph.D. in Computer Science **Advisor:** Prof. Lise Getoor	2016–Present
	Manipal Institute of Technology, Manipal B.Tech in Computer Science & Engineering **Bachelor Thesis:** Temporal Scoping of Facts in a Knowledge Base	2011–2015

Work Experience	**Chobanian Group**, San Jose Research Intern, Data Science Group Mentor: Dr. Tyler Munger	Jun '17–Aug '17

- Expert identification in large delivery organizations
- Statistical Relational Learning approaches to expert identification

Xerox Research Centre India, Bangalore — Jun '15–Jan '16
Research Intern, Machine Learning and Statistics Group
Mentors: Dr. Vaibhav Rajan and Sumit Negi

- Analysis of clinical notes of ICU patients using Topic Models
- Created a plotting tool to highlight different statistics across classes

Indian Institute of Science, Bangalore — Dec '14–May '15
Project Trainee, Supercomputer Education and Research Centre (SERC)
Mentor: Prof. Partha Talukdar [MALL Lab]

- Temporal scoping and ordering of relations in a knowledge base
- Entity linking and disambiguation in large text corpora

Indian Institute of Technology, Kharagpur — May '14–Jun '14
Summer Research Intern, Dept. of Computer Science & Engineering
Mentor: Prof. Sudeshna Sarkar

- Implemented DBSCAN algorithm to find traffic stoppage points and segmented roads based on their speed profiles – automatic profiling of drivers
- Modified "simplekml" Python module to plot the GPS points on Google Maps

DataWeave Software Pvt. Ltd., Bangalore — May '13–Jun '13
Summer Intern

- Created data crawlers using Python that aggregated and stored content in JSON dumps
- Content available via APIs, a few listed at http://dataweave.in/apis

Teaching Experience	**University of California**, Santa Cruz Teaching Assistant, CMPS140 Artificial Intelligence, Winter '17	Jan '17–Mar '17

Projects	**Question Category Classification** **Mentor:** Prof. Manish Shrivastava Question category classification on TREC data using topic composition features generated by LDA.	Jul '15 IASNLP, IIIT, Hyderabad
	Detecting Fibrous Regions in Protein Sequences **Mentor:** Dr. Smitha Nair Detection of fibrous regions in protein sequences using Support Vector Machines and Bee Colony Optimization for PCA.	Nov '13–May '14 Manipal Institute of Technology, Manipal

Online competition: Photo Tagger – Multi-class classification — Mar '14
Leaderboard: 84 out of 644 — CSA, IISc, Bangalore
SVM whose parameters were optimized by GridSearchCV, to classify photos into various classes (people, cars, shoes, buildings, flowers).

Craigslist Post Classification — Oct '13
Accuracy: 81% — Manipal Institute of Technology, Manipal
Vectors created by bag of words model and then tf-idf, SVM to classify posts on Craigslist into sections based on the product description.

Publications

Online Adspace Posts' Category Classification
Dhawal Joharapurkar, Vaishak Salin, Vishal Krishna
12th International Conference on Natural Language Processing, December, 2015

Talks

From Big Text to Big Knowledge — Feb '15
SERC Open Day 2015 — IISc, Bangalore

Honors

Regents' Fellowship, UC Santa Cruz — 2016–17

Online Courses

The Data Scientist's Toolkit — Jun '14
coursera.org, 100% — Johns Hopkins University

Design and Analysis of Algorithms — May '14
Massively Empowered Classrooms, 100% — Microsoft Research

Machine Learning — Apr '14
coursera.org, 100% — Stanford University

Algorithms: Design and Analysis, Part 1 — July '13
coursera.org, 98% — Stanford University