

Dhawal Joharapurkar

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Education	University of California , Santa Cruz	2016–2019
	M.S. in Computer Science	
	Discontinued the Ph.D. program.	

Manipal Institute of Technology, Manipal 2011–2015
B.Tech in Computer Science & Engineering
Bachelor Thesis: Temporal Scoping of Facts in a Knowledge Base

Work Experience **Amazon.com**, Palo Alto Jun '19–Aug '19
 Applied Scientist Intern
 Mentor: Dr. Parth Gupta

- Prediction of behavioral priors for item cold start problem using neural networks
- Attempt to replace several GBDTs with a single multi-output NN that predicts behavioral priors

Lam Research, Fremont Jun '18–Sep '18
Intern, Global Information Systems
Mentor: Amod Ghangurde

- Initiated the standardization of the Python development environment across business units
- Foundational work on using Natural Language Processing at Lam Research. Used NLP to augment existing ML systems by ingesting text from Lam Knowledge Documents.

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

- 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

CMPS 12A/L Introduction to Programming (Accelerated)[Evaluations]

Winter '19

CMPS 5J Introduction to Programming in Java [Evaluations]

Fall '18

CMPS 11 Intermediate Programming in Java [Evaluations - S18', S19']

Spring '18, '19

CMPS 140 Artificial Intelligence [Evaluations - W17', W18']

Winter '17, '18

Recent Project

Expert Identification

Jun '18–Dec '18

Mentor: Prof. Lise Getoor

UC Santa Cruz

Identification of experts based on network topology, collaboration graphs and local features such as post strength, experience information, etc. We are working on StackExchange datasets and using Probabilistic Soft Logic for inference.

Survey On Data Programming

May '18–Jun '18

Mentor: Prof. Cormac Flanagan

UC Santa Cruz

Survey on the recent literature surrounding Data Programming.

Other and Past Projects

Link: <https://dhawaljoh.github.io/research/projects/>

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