Dhawal Joharapurkar

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Education

University of California, Santa Cruz — 2016–2019
M.S. in Computer Science (Discountinued the Ph.D. program.)
M.S Project: User Expertise Detection in Online Communities

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
- Work 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
- Used "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
- Made content available via 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

Mentorship	**University of California**, Santa Cruz	
	CruzHacks, 2020	Jan '20

Recent Project	**User Expertise Detection in Online Communities**	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. Used StackExchange datasets and 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