

Dhawal Joharapurkar

Contact Information 896, 1st Floor, 11th Main, 9A Cross
Mahalaxmipuram
Bangalore - 560086

Phone: +91 9035 69 7023
email: dmjan21@gmail.com
web: <https://dhawaljoh.github.io>

Work Experience **Xerox Research Centre India**, Bangalore June '15– Present
Research Intern, Machine Learning and Statistics Group
Advised by Dr. Vaibhav Rajan
Working on predictive healthcare

Indian Institute of Science, Bangalore December '14– May '15
Project Trainee, Supercomputer Education and Research Centre (SERC)
Advised by Prof. Partha Talukdar

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

Indian Institute of Technology, Kharagpur May '14 – June '14
Summer Research Intern, Dept. of Computer Science & Engineering
Advised by Prof. Sudeshna Sarkar

- Automatic profiling of Driver Behaviour on a GPS dataset provided by MHRD.
- Implemented DBSCAN algorithm to find traffic stoppage points and segmented roads based on their speed profiles
- 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 here

Education **Manipal Institute of Technology**, Manipal 2011 - 2015
B.Tech in Computer Science & Engineering
Bachelor Thesis: Temporal ordering and scoping of facts in a knowledge base
GPA: 7.31

National Public School, Rajajinagar, Bangalore 1997-2011
Central Board of Secondary Education

Online Courses **The Data Scientist's Toolkit** June '14
coursera.org, 100% Johns Hopkins University

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

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

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

Projects	Detecting Fibrous Regions in Protein Sequences November '13 – May '14 Guide: Dr. Smitha Nair Manipal Institute of Technology, Manipal Worked on the detection of fibrous regions in protein sequences using Support Vector Machines and Bee Colony Optimization for PCA.
	Photo Tagger: Multi-class classification March '14 Rank: 84 out of 644 CSA, IISc, Bangalore Used SVM to classify photos into various classes (people, cars, shoes, buildings, flowers). The parameters of the SVM were optimized using GridSearchCV. The features were extracted using the SIFT algorithm.
	Craigslist Post Classification October '13 Accuracy: 81% Manipal Institute of Technology, Manipal Used bag of words model, tf-idf and SVM to classify posts on Craigslist into sections based on the product description. The open dataset was available on HackerRank
Conference Presentations	<ol style="list-style-type: none"> 1. Craigslist Post Classifier: Identifying the category of a Craigslist post", ICCMEH 2014, December, 2014 2. Enhancing a Financial Service organizations cross-sell strategy using Artificial Neural Networks", ICCMEH 2014, December, 2014
Talks	From Big Text to Big Knowledge Feb '15 SERC Open Day 2015 IISc, Bangalore
Programming Competitions	IEEEExtreme Programming Competition 7.0 October '13 University Rank: 1, Country Rank: 265 IEEE
Positions Held	IEEE Student Branch, Manipal August '13 – May '14 Technical Secretary Manipal Institute of Technology, Manipal Organized several events that saw a participation of 80+ teams each.
Skills	<ul style="list-style-type: none"> • Languages: C/C++, Python, Octave, SQL, L^AT_EX • Operating Systems: Linux(various distributions), Microsoft Windows • Tools: Emacs, Sublime Text, Enthought Canopy, IPython • Version Control System: git
Curriculum Courses	Neural Networks and Fuzzy Systems; Data Mining and Data Warehousing; Software Testing; Distributed Computing Systems; Computer Communication and Networks; Operating Systems; Graph Theory; Cryptography and Network Security; Parallel Computing; Language Processors; Relational Database Management Systems; Discrete Mathematics; Switching Theory and Logic Design; Formal Languages and Automata Theory; Data Structures; Design and Analysis of Algorithms; Design and Implementation of Programming Languages; Computer Organization and Design