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EDUCATION

MS, COMPUTER SCIENCE (Courant Institute of Mathematical Sciences, New York University)   **3.82**

Course List: *Foundations of Machine Learning, Computational Machine Learning, Realtime & Bigdata Analytics, Fundamental Algorithms, Operating Systems, Programming Languages, Financial Computing.*

B.TECH, INFORMATION TECHNOLOGY (Government College of Technology, Coimbatore.)   8.01

PROJECTS

Grasp & Lift EEG Detection — Detect a person's hand action using EEG signal information.

Dataset Type: CSV files with EEG signal data. *Dataset size:* ~4G. *Feature Representation:* Vlad & BOW. *Models:* Linear & Gaussian SVM.

Liver & Kidney cancer classifier — Identify the best biomarker for cancer between DNA Methylation and Protein Expression.

Dataset Type: TSV files with DNA Methylation & Protein Expression. *Dataset size:* ~20G. *Feature Representation:* PCA of original features. *Models:* Linear & Gaussian SVM, Logistic Regression, Adaboost, Gaussian Naive Bayes.

Music Recommendation System — Recommender built by using a song's low level features.

Dataset Type:. Million Song Dataset *Dataset size:* ~300G. *Feature Representation:* Vlad, BOFW, Mean vectors. *Models:* Linear & Gaussian SVM, Logistic Regression.

Events & Taxi ridership correlation — Find correlation between NYC Taxi ridership & Events.

Dataset Type: CSV & Shape files. *Dataset size:* ~30G. *Feature Representation:* Taxi rides grouped by zipcode and time slices. *Models:* Moving averages and then finding correlations.

Online Judge — OPC judge similar to codeforces.com, spoj.com. Used in Infoquest 2010. *(C)*

EMPLOYMENT   4 YEARS, 6 MONTHS

Freelance Software Developer   Nov 2013 to Jan 2015

- Worked as a full-stack developer on Vera, app.urblotter.com and 'Today in History' iphone App.
- Technologies used: AWS, ROR, Angularjs, J2EE, HTML, CSS, Javascript, SCSS/LESS.

Consultant, Canvera Technologies   Jan 2014 to Oct 2014

- Performance Optimizations — Load time: ~10 sec → 1 sec. Asset size: ~1.5Mb → ~600Kb.
- Setup the application architecture & development process. Mentored the development team.

Founding Member, F1circle.com   Jan 2013 to Oct 2013

- Built the initial version of **Intellibox — Information extraction engine** and the web app.

Software Engineer, Insideview Inc   Oct 2011 to May 2013

- Built an award winning **Company recommendation engine** in Insideview Hackaton 2012.
- Improved the performance by 50% for Insideview connections feature. *(Java, J2EE)*
- Developed in-product notification framework using Drools framework & *Lucene indexes.*

Software Engineer, United Online Inc.   Jul 2010 to Sep 2011