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Anirudhan J. Rajagopalan

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Education

Master of Science, Computer Science   **Dec 2016**
Courant Institute of Mathematical Sciences, New York University.
CGPA: 3.75
Course List: Deep Learning, GPU — Architecture & Programming, Computational Machine Learning, Foundational Machine Learning, Web Search Engine, Realtime & Big data analysis.

Academic Projects

- Used Convolutional clustering with unlabeled data to improve classification accuracy on STL-10.
- Used LSTM to train a language model on word level Penn Tree Bank dataset.
- Built a feature based reviews extractor for Amazon reviews.
- Used **VLAD** feature representation for classifying EEG signals for Grasp & Lift problem.
- Classifying Liver & Kidney cancer using unbalanced protein expression data. Accuracy — 97%.

Work Experience   Around 5 years

Internship

Eyenuk Inc, Los Angeles, CA.   **Jun 2016 — Aug 2016**
- Explored the classification of Diabetic Retinopathy with Residual Networks against VGG model.
- Implemented VGG models for classification of 128×128 lens shot images.
- Setup the scalable production AWS deployment using VPC, Route 53, ELB, ACM, and RDS.

Full time

Freelancing/Full-stack Software Consultant, India   **May 2013 — Jan 2015**
- Implemented the common sign-on page, branding workflows and modal framework for Vera.
- Built Urblotter (app.urblotter.com) a betting website for FIFA 2014. **(ROR, Angularjs)**.
- Built a scrapper and admin app for '*Today in History*' iphone app. — `http://git.io/vZysq`
- Gre—flashcards: GRE preparation **android** app using Wordnik API. — `http://git.io/vZ95e`

Quirl

- Performance Optimizations — Load time: ˜10 sec → 1 sec. Asset size: ˜1.5Mb → ˜600Kb.
- Built high performance responsive lightbox/slideshow with load more & thumbstrips for Quirl.
- Built a rails like asset pipeline using **Grunt** and made the application production ready.
- Setup the application architecture & development process. Mentored the development team.

f1circle.com

- Built the complete application from scratch. **(ROR, Angularjs, Memcached, Redis)**
- Built Information extraction engine. It extracts name, place, & price info from user's posts.

Insideview Inc, Hyderabad, India   **Oct 2011 — May 2013**
- Improved the performance by 50% for Insideview connections feature. **(Java, J2EE)**
- Developed in-product notification framework using **Drools framework** & **Lucene indexes**.
- Built the Activitystream security framework using **AWS Simpledb** and custom eventbus.
- Built an award winning Company recommendation engine in Insideview Hackaton 2012. **(Java)**

United Online Inc, Hyderabad, India   **Jul 2010 — Sep 2011**
- Built a **RPC** framework for spam filtering. Automated day-to-day tasks using **Perl** scripts.