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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.

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.

Deep Learning / Machine Learning

- 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%.
- Built an award winning Company recommendation engine in Insideview Hackaton 2012. (**Java**)

Software Engineering

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 scraper 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.

flcircle.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.

United Online Inc, Hyderabad, India

Jul 2010 — Sep 2011

- Built a **RPC** framework for spam filtering. Automated day-to-day tasks using **Perl** scripts.