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EDUCATION

B. Tech (2006–2010)	First class with Distinction , Information Technology Govenrment College of Technology, Coimbatore. GPA: 7.99/10
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AWARDS & HONOURS

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| * First Prize in Insideview Hackaton for Company Recommendation Engine.
Built using <i>N-Nearest Neighbour</i> algorithm. Total of 25+ teams participated. | Aug–2012 |
| * First prize in Project Presentation at Srishti 09, PSG Tech.
Built <i>Real-time Desktop search for linux</i> . Srishti draws 3000+ participants every year. | Feb–2009 |
| * Second prize in Project Presentation at Soft Sem Quiz (SSQ).
For <i>SMS Simulator</i> and Algebraic expression parser. SSQ is intra-college tech event. | Dec–2007 |
| * First prize in district level Mathematics olympiad.
Twenty two teams participated in the final quiz on <i>Calculus, Trigonometr & other High school syllabus</i> | Oct–2005 |

UNDERGRADUATE PROJECT

Title	An endcient key management protocol with robust continuity for wireless sensor networks.
Guide	Dr. K. Baskaran, M.E. Ph.D. A modified version of the Blom's scheme for efficient key management in Wireless Sensor Networks (WSN) is proposed. This uses a hashing like algorithm along with modified Blom's key approach for securing key information with scalable key size.

NOTEWORTHY PROJECTS

Gre wordcards — An android app for helping my GRE preparation. Uses *Wordnik* API to fetch details of entered words. Avoids distraction by opening in full screen and hiding notification from other apps. Optimized for single hand use. Prefetches & caches word details when a user browses through the list.

Information Extraction system — The engine used to extract name, place and price info of ads in *f1circle.com*. Normalizes and converts words to standard form and checks with dictionary of places and products to extract location & product info. Checks context of numbers to find price info.

Company Recommendation Engine — Recommends companies to sales person based on his previous history. Built using *user-user* similarity. Each company represented as a vector of 12 dimensions. Percentage of views of a company by a person determines his past behaviour.

infoquestgct.com — The official website of Infoquest 2010. Developed user registration, virtual stock market, Online programming contest, online treasure hunt and custom captchas.

Online Judge — Judge for evaluating submitted programs. Had customizable memory, file, process and time limits. Built as three separate modules that communicate using *unix pipes*.

Real time desktop search — A gui tool for fast desktop search. Persists file system as *n-ary trees*. Uses watch descriptor to detect file system changes.

SMS Simulator — A network chat app with t9 dictionary implemented using trie.

EMPLOYMENT

4+ YEARS

CONSULTANT, CANVERA TECHNOLOGIES

JAN 2014 TO PRESENT

- Setup the application architecture & development process. Mentored the development team.
- Built high performance lightbox/slideshow with dynamic image scaling, load more & thumbstrips.
- Built a rails like asset pipeline using Grunt and made the application production ready.
- Performance Optimizations — Load time: From ~10 sec to 1 sec. Asset size: From ~1Mb to ~600Kb.

FREELANCER

NOV 2013 TO PRESENT

- Built Urblotter (app.urblotter.com) a betting website for FIFA 2014. (ROR, Angularjs, Sidekiq).
- Built a wikipedia parser and admin app for Today in History iphone app. (ROR, Nokogiri, Redis, Angularjs, Sidekiq, Mysql) — github.com/rajegannathan/wikipedia-scrapper
- Built Gre—flashcards: My GRE preparation android app using Wordnik API.

FOUNDING MEMBER, F1CIRCLE.COM

JAN 2013 TO OCT 2013

- Built the complete application from scratch. (ROR, Angularjs, Memcached, Redis, Sidekiq, Mysql)
- Built Information extraction engine. It extracts name, place, & price info from user's posts.
- Played a major role in User acquisition, marketing and sales in addition to engineering.

SOFTWARE ENGINEER, INSIDEVIEW INC

OCT 2011 TO MAY 2013

- Developed an award winning Company recommendation engine in Insideview Hackaton 2012. Built a Geo-spatial search application in the second hackaton.
- Developed in-product notification framework using Drools framework & Lucene indexes.
- Developed the Activitystream security framework using AWS Simpledb and using custom eventbus.
- Owned up Insideview's connections features and did a number of performance optimizations.

SOFTWARE ENGINEER, UNITED ONLINE INC.

JUL 2010 TO SEP 2011

I worked on United Online's billing systems which dealt with financial data. As onboarding project, I built a RPC framework which was later used with Bogo filter for spam detection in Netzero emails.

TEACHING EXPERIENCE

- * As a Placement Representative, I have conducted numerous Technical & Soft-skill sessions in my undergraduate class.
- * Technical topics covered: *C, C++, Data Structures, Operating Systems, Compiler Design and DBMS.*

EXTRA-CURRICULAR ACTIVITIES

- * *Company Seargent Major* of my College National Caded Corps. (*2TN CTC NCC*).
- * *Placement Representative* of my batch.