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## EDUCATION

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

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

## UNDERGRADUATE PROJECT

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Title	<b>An endcient key management protocol with robust continuity for wireless sensor networks.</b>
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

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**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.

**Real time desktop search** — A gui tool for fast desktop search. 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](https://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.