

# Ranjith Kumar Shanmuga Visvanathan

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## Education

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**Columbia University, New York, NY** Dec 2016 (Expected)

*Master of Science, Computer Science (Software Systems Track)*

**Key Coursework:** Algorithms, Micro Service apps & APIs, Advanced Database Systems, Advanced Software Engineering

**National Institute of Technology, Tiruchirappalli, India**

May 2013

*Bachelor of Technology, Electrical and Electronics Engineering*

**Key Coursework:** Data Structures & Algorithms, Object Oriented Programming, Operating Systems

## Experience

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**Facebook, Menlo Park, CA** Jun 2016 - Aug 2016

*Software Development Intern, Pages Growth*

- Developed new features for Facebook pages that helped impact adoption and growth positively
- Performed growth experiments and analysed experimental data and concluded on positive impact

**Columbia University, New York**

Dec 2015 - May 2016

*Graduate Research Assistant, Tow Center For Digital Journalism*

- Developing a web-based crowd-sourced document transcription platform for Journalists and public

**Oracle, Hyderabad, India**

May 2013 - Jun 2015

*Application Engineer, PPM Tech Team, Fusion Projects*

- Devised solutions that meet functional specifications for Enterprise business software
- Developed many productivity improvement tools like Social Bookmarking, Merge Analytics, LogTroopers etc.

## Selected Projects

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### Cloud Based Log Analyser

- Cloud based Log management to real-time stream and visualise logs using NodeJs and ELK stack
- Handled about 50+ Users and around 150+ GB of log data with high performance

### Student-Course Management System

- Developed this management system in micro-service architecture
- Implemented various concepts like z-axis scaling, data partition, API gateway, Ref-Integrity between micro services etc.

### Advanced Database Projects

- **Association Rule Mining** - Implemented optimised A-Priori algorithm to extract association rules from big-datasets
- **Web DB Classification** - Developed a program for classification of Hidden-Web Databases
- **Query Expansion** - Implemented an IR system that exploits explicit relevance feedback to improve search results

### Content Management System (for Mad Street Den, Chennai, India)

- Built a web application for content management of a Fashion Social Network app
- Developed a CMS which can scrap fashion blogs and allows modification of images and text

### Bazinga : Social Bookmarking

- Developed a link search tool with various search capabilities to find and share anything easier
- Served 150+ users and handled more than 5000 searches

### Log Troopers

- Analyse code quality and rectify them automatically. Gives stats on code quality.

### UI Share - Cross-platform Input sharing utility

- Developed an application to share keyboard and mouse across multiple computers (cross-platform)

## Technical Skills

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Hack, React, Javascript, Python, C, Java, Node.js(Express), Django, Angular, HTML, CSS, jQuery, AWS

## Achievements & Activities

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- Winner of Oracle Fusion Out-of-the-box Hackathon 2015, in Redwood Shores, CA in 2015
  - Top 15 in IBM Bluemix & Watson Hackathon, with a participation of more than 1400 teams