

# Adithya Venkatesh

## EXPERIENCE

InMobi | BANGALORE, INDIA | Jan 2014 – July 2014  
**SDET Intern | Release Management Engineering**

- Developed an Integration Test framework for the InMobi Deployment Platform with JenkinsCI, Opscode Chef, test-kitchen and minitest-handler
- Automated 94% of the test cases
- Worked in a team to create a tool to publish and track Production Job Metrics to the entire organization
- Used Java, Elasticsearch, & Grafana to parse the Jenkins master box for data and published processed data to Grafana

McGill University | MONTREAL, QC | JUNE 2013 – JULY 2013  
**Research Scholar**

- Part of team that worked on the computation and visualization of the three body asteroid problem
- Wrote a C++ data parser and created visualizations with OpenGL
- Assisted in writing MATLAB Computations

## RESEARCH

Concordia University | MONTREAL, QC | SUMMER 2013  
**Research Scholar**

- Worked with Prof Brigitte Jaumard to introduce a 'CDMA Protocol in Multi-channel Multi-Radio Wireless Mesh Networks'
- Designed and Implemented the protocol in Java
- Used implementation to run a comparative study against different channel configurations.

IIT Bombay | MUMBAI, INDIA | SUMMER 2012  
**Summer Research Intern**

- Part of research team that developed and implemented an algorithm to simulate CNC Machining using Octree and Quadtree data structures
- Sped up existing algorithm by 12.5%
- First professional experience, learnt how to manage and work on a large scale project.

Real-time Navigation Algorithm | BANGALORE, INDIA | 2013  
**Co-Author**

- Published paper titled 'Improving Real-Time Route Suggestions in Automotive Navigation Systems using Vehicle Cluster Behavior'
- Part of project for the undergraduate level Artificial Intelligence Course

## Courses

Graduate	High Performance Systems and Networking • Defending Computer Networks • Cloud Computing Database Systems • Large Scale Information Systems
Undergraduate	Operating Systems • Computer Networks • Computer Graphics • Algorithms High Performance Computing • Internet Technologies • Discrete Mathematics

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## Education

May 2015	Cornell University <b>MEng, COMPUTER SCIENCE</b> Cum. GPA : 3.50 out of 4.0
Jul 2014	M. S. Ramaiah Institute of Technology, INDIA <b>B.E. COMPUTER SCIENCE</b> Cum. GPA : 9.02 out of 10.0

## Technologies

Proficient	Java • C • C++ • SQL
Familiar	Ruby • Shell • $\text{\LaTeX}$ Python • Photoshop

## Recognitions

Undergrad 2014	Best outgoing student of batch (1 out of 180 undergrads)
National 2013	Institution of Engineers India Rupees 50,000 Grant-in-aid (10 out of 200 entries)
National 2013	National Design & Research Forum Best Project Proposal Gold medal (1 out of 500 entries)

## Other Activities

### Debating & Public Speaking

- Member of MSRIT Debate Society
- Represented institution at over 10 competitions

### Leadership & Teamwork

- English Teacher with Make A Difference for children at risk
- Member of Organizing Committee of the University's cultural fest - Footfall of 8,000
- Head of Sponsorship Committee for TEDxM-SRIT 2013, 2014