

# Adithya Venkatesh

## EXPERIENCE

Amazon.com | SEATTLE, WA | July 2015 - Present  
**SDE | Builder Tools**

- I own and develop cloud based tools that enhance the High Scale Load Testing and Continuous Integration Test Automation experience for Amazon's tech population
- Conducted multiple sessions to evangelize Builder Tools products and educate new engineers

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

- Developed an Integration Test framework for a chef-based deployment platform with JenkinsCI, test-kitchen and minitest-handler
- Worked on a code quality platform that collected and published source quality and build metrics at Inmobi

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 on a project using C++, OpenGL, and MATLAB

## 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 a Java implementation of the protocol to run a comparative study against different WiFi channel configurations.

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

- Part of research team that enhanced an algorithm to simulate CNC Machining using Octree and Quadtree data structures
- First professional experience, learnt how to manage and work on a large scale project.

Real-time Navigation Algorithm | 2013  
**Co-Author**

- Published paper titled 'Improving Real-Time Route Suggestions in Automotive Navigation Systems using Vehicle Cluster Behavior'

## 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  
**MEng, COMPUTER SCIENCE**  
Cum. GPA : 3.78 out of 4.0

Jul 2014 M. S. Ramaiah Institute of Technology, INDIA  
**B.E. COMPUTER SCIENCE**  
Cum. GPA : 9.02 out of 10.0

## Technologies

Proficient Java • C • C++ • SQL

Familiar Ruby • Shell •  $\text{\LaTeX}$   
Python • Photoshop

## Recognitions

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