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 • Database Systems
Undergraduate	Operating Systems • Computer Networks • Computer Graphics • Algorithms
	High Performance Computing • Internet Technologies • Discrete Mathematics

✉ | av445@cornell.edu
📶 | 972-567-0504
LinkedIn | in/adithyavenkatesh
Twitter | @bloomark

Education

May 2015	**Cornell University** **MEng**, Computer Science Cum. GPA : N/A
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 • LaTeX Python • Photoshop

Recognitions

Undergrad 2014	Best outgoing student of batch (1 out of 180 undergrads)
National 2013	Instituition 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