

EDUCATION	King Abdullah University of Science and Technology <i>Master of Science, Computer Science</i>	Aug 2013 – Now
	Birla Institute of Technology and Science - Pilani <i>Bachelor of Engineering (Honours), Computer Science</i>	Aug 2008 – May 2012
PROFESSIONAL EXPERIENCE	Yahoo! , Bangalore, <i>Software Systems Engineer</i>	Jul 2012 – Aug 2013
	<p>Primary member of the team building a distributed system for low-latency event detection from multiple parallel content streams. This system reduced event detection latency by 600%.</p> <ul style="list-style-type: none"> Built adapters to enable data flow between the source message queues and core streaming system. Built components for streaming distributed counting of strings, n-grams and distinct words. Designed and evaluated storage schemes to minimize the duration of failure recovery from disk. Wrote a test framework to simulate and verify the combined streaming and persistence systems. 	
	Yahoo! , Bangalore, <i>Software Systems Engineer Intern</i>	Jul – Dec, 2011
	<ul style="list-style-type: none"> Reimplemented the event detection system to be centrally configurable and multi-threaded. Built a research prototype to detect search trends that are niche to certain geographic areas. Was offered a full-time position (offered to 3 of the 14 interns from my university). 	
RESEARCH EXPERIENCE	Modeling Android Application Permissions for Malware Detection	Aug 2013 – Now
	<p><i>Advised by Dr. Xiangliang Zhang, Machine Intelligence and Knowledge Engineering Lab, KAUST.</i></p> <p>The project's goal is to characterize Android applications given only the permissions they request.</p> <ul style="list-style-type: none"> Designing undirected hierarchical graphical models to infer Android application types. Applying variational and sampling methods for approximate inference of the posteriors. Evaluating model performance on the Android malware classification task. 	
	Automatic Comic Book Restoration from Camera Images,	May – Jul, 2012
	<p><i>Advised by Mr. Ram Prakash Hanumanthappa, CEO, Tachyon Technologies, Bangalore.</i></p> <ul style="list-style-type: none"> Designed computer vision algorithms to digitize comic books from mobile camera images. Built an Android application wrapping this research up into a usable prototype. 	
TEACHING EXPERIENCE	Software Development for Portable Devices, Google-funded Teaching Assistant.	Jan – May, 2011
	MIT Indian Mobile Initiative, Student Mentor.	Jun – Jul, 2011
	Programming Languages and Compiler Construction, Teaching Assistant.	Jan – May, 2012
HONOURS AND AWARDS	King Abdullah University of Science and Technology Fellowship.	2013
	Erasmus Mundus LCT Masters Scholarship ¹ (awarded to 4 international applicants).	2013
	Winner, Random Hacks of Kindness Bangalore.	2011
	MVHub Summer of Code, funded by Google and the University of Massachusetts, Lowell.	2011
	Consultancy Development Cell Fellowship, Ministry of Science and Technology of India.	2009
OTHER PROJECTS	The OpenIntents Android proximity sensor simulator. (code.google.com/p/openintents/source/detail?r=3280)	
	A tutorial at PyCon India 2012. (speakerdeck.com/emaadmanzoora/building-a-cluster-with-python-and-beanstalkd)	
	A tool to visualize graph algorithms on custom graphs, step-by-step. (emaadmanzoora.github.com/graphy)	
	A public transport initiative to OCR bus tickets and allot reward miles. (mybmtcmiles.com)	
PROGRAMMING LANGUAGES	Java (proficient). Python (experienced). C, Clojure, MATLAB, Perl, Ruby (novice).	

¹Turned this offer down, having already accepted the KAUST fellowship.