

EDUCATION

Georgia Institute of Technology (Atlanta, GA)	MS Computer Science	Expected Dec 2018
Coursework: Computability & Algorithms, Computer Networks, Database Systems Concepts & Design, ML for Trading		
National Inst of Technology Karnataka (India)	BTech Computer Engineering	May 2017
GPA: 8.98/10.0		

EXPERIENCE

Samsung R&D (Bangalore, India)	Software Engineering Intern	May – July 2016
<ul style="list-style-type: none">Developed a new native voice recorder application for the mobile suite of the Tizen OS (C & Tizen SDK).Developed a circular image cropping patch to the existing Image Editor Application (C & Tizen SDK).		
MOOG ITC (Bangalore, India)	Research Intern	May – July 2015
<ul style="list-style-type: none">Conducted in-depth survey of existing multicore operating systems like Barrelfish, Akaros and Baremetal OS.Built an embedded system for flight controls on a Jetson Tegra TK1 chip, utilizing all cores efficiently.		
Xerox IT Services (Bangalore, India)	Software Engineering Intern	May – July 2014
<ul style="list-style-type: none">Contributed to the development of multiple Liferay portlets (Java) for the Xerox Cloud web portal.Developed Selenium WebDriver scripts (Java) to test various web portal functionalities.		

TECHNICAL SKILLS

Programming Languages	Database & OS	Web Development	Frameworks & Tools
Java; C/C++; Python; Julia; JavaScript	MySQL; Linux; Windows	Django; HTML/CSS; PHP; AngularJS; Liferay	ns-3; Tizen SDK; Git; Node.js; webRTC; Selenium WebDriver

PUBLICATIONS

- Chirag Jamadagni**, Abhijith Anilkumar, Kevin Mathew, Manjunath Mulimani, and Shashidhar Koolagudi. 2016. Dynamic 3D graph visualizations in julia. In *Proceedings of the Summer Computer Simulation Conference (SCSC '16)*.
- Amita Ajith Kamath, **Chirag Jamadagni**, and K. Chandrasekaran. 2016. VirtTorrent: BitTorrent for Inter-VM File Distribution. In *Proceedings of the International Conference on Internet of things and Cloud Computing (ICC '16)*.

PROJECTS

5C Network	Web Development	May-June 2017
<ul style="list-style-type: none">Worked on integrating Oviyam DICOM viewer with their radiodiagnosis platform.Developed a clinical decision support module to aid radiologists in making diagnoses.		
ns-3 Contributions	Open Source Contribution	Sept 2015–May 2017
<ul style="list-style-type: none">Implemented TCP Westwood CRB, ABSE and BBE. Also developed a test suite for all Westwood variants.Developed patches for Wormhole, ACK Division and TTL-based DoS attacks.		
Concat: A Catalog for Conferences	Full Stack Development	July-Dec 2016
<ul style="list-style-type: none">Contributed to a website that matches academics to conferences in their research areas.		
NetworkViz.jl	Open Source Contribution	Mar-May 2016
<ul style="list-style-type: none">Worked on a Julia module to visualize graphs/networks in 3D.Presented at JuliaCon-MIT 2016.		
GCPiN: Group Caching for Privacy in NDN	Course Project	Jan-May 2016
<ul style="list-style-type: none">GCPiN is a novel network architecture for Named Data Networking (NDN) to increase the privacy of cached content with minimal performance losses.		
Secure Chat	Hackathon Project	Nov 2015
<ul style="list-style-type: none">Developed a secure chat and file sharing application with OTR encryption and SMP authentication.Selected as a finalist in Fidelity's hackathon 2016.		
Operating Systems Lab	Course Project	Feb-April 2015
<ul style="list-style-type: none">Built an adaptive process scheduler for nachOS.Developed a virtual memory simulator to compare different page replacement algorithms.		