

EDUCATION

University of California, Los Angeles	MS. Computer Science	Dec 2017 (Expected)
Coursework: Distributed database systems; Statistics programming; Animats modelling		
National Inst of Technology Karnataka	B.Tech Computer Engineering	May 2016
GPA: 9.51/10.0		

EXPERIENCE

Anderson School UCLA	Programming Assistant	Fall 2016
<ul style="list-style-type: none"> Assisting Prof. Ivo Welch with web development and setting assignments for MFE 237A(Corporate Finance). 		
Google Summer of Code	Student Developer	May – Aug 2016
JuliaLang . Mentor: Viral B. Shah <ul style="list-style-type: none"> Developed Graft.jl, a graph analytics package with support for vertex labelling, metadata and graph queries. Presented project remotely at JuliaCon-MIT. Improved the functionality and performance of Julia's sparse-matrix search operation, and helped fix a code generation bug. 		
Amazon, Hyderabad	Software Engineering Intern	May – July 2015
<ul style="list-style-type: none"> Worked in the Supply Chain Optimization Technologies team. Developed a web service to generate periodic usage metrics of a configuration service. Developed a Ruby on Rails web site to visualize the obtained metrics, and helped prevent over-provisioning during peaks. 		

TECHNICAL SKILLS

Programming Languages	Frameworks and Tools	Web Development	Databases And Operating Systems
Java; C/C++; Python; Julia	R; Hadoop; Spark; Git; NetworkX	Django; Ruby on Rails; AngularJS; JQuery	MySQL; DynamoDB; Neo4j; Linux; MacOS, Windows

PROJECTS

Distributed Database Systems	Course Project	Fall 2016
<ul style="list-style-type: none"> Implemented spark jobs to match each word in a file to its most common bigrams. (Hadoop, Spark) Designing user defined aggregators and external hashing support for map-reduce jobs. 		
Julia Graphs	Open Source Contributor	July 2015 - August 2016
<ul style="list-style-type: none"> Explored how combinatorial graph algorithms could be implemented on shared sparse matrices, using the Bulk Synchronous parallel model. (Julia) Implemented IPC through matrix transposes in shared memory. Built the flow algorithms module for LightGraphs.jl 		
Concat: A Catalog for Conferences	Full Stack Development	Jan - July 2016
<ul style="list-style-type: none"> Contributed to a web site that matches academics to conferences in their research areas. (AngularJS, Django, AWS) Scaled the website horizontally on AWS, using the Elastic Beanstalk, S3 and CloudFront services. 		
Remote Trigger Labs	Technical Assistant	Jan – June 2015
<ul style="list-style-type: none"> Developed an application to continuously monitor the health of remote hosts used by RT Labs. (Shell script, Python) Visualized the log data to help detect patterns of poor latency, downtime and jitter. 		
Sharding Social Databases	Course Project	Jan - May 2015
<ul style="list-style-type: none"> Studied heuristic based strategies for the allocation of user data in distributed databases. (NetworkX, Gephi) Compared the query latencies and load distributions of random sharding with heuristic based techniques such as iterative vertex swapping. Published technical report in Social Network Analysis and Mining(SNAM), Volume 5. 		
Network Simulator	Course Project	June - Dec 2014
<ul style="list-style-type: none"> Designed a patch to incorporate UDPLite into NS2. (NS2) Contributed to a patch to eliminate a bug in the ARED AQM for wireless nodes in NS2 		