512 Veteran Ave., APT 313
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PRANAV THULASIRAM BHAT

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EMPLOYMENT

Research Assistant	**University of California, Los Angeles**	**Fall 2016**

Anderson School of Management
- Programming assistant to Prof. Ivo Welch.
- Data science applications for finance, in Julia.

Student Developer	**Google Summer of Code**	**Summer 2016**

Julia Lang. Mentor: Viral B.Shah
- Developed Graft.jl, a graph analytics package with support for graph queries.
- Worked on Julia's sparse matrix implementation.
- Presentation in JuliaCon-MIT.

SDE Intern	**Amazon**	**Summer 2015**

Supply Chain Optimization Technologies
- Developed a web service to monitor and control access to a fulfillment configuration service, and deployed to the retail pipeline.
- Developed a Rails application to visualize the metrics generated by the service.

EDUCATION

Los Angeles	**University of California**	**Fall 2016 – 2017 (expected)**

- M.S. in Computer Science.
- Graduate Coursework: Distributed Database Systems, Statistics Programming

Karnataka, India	**National Institute of Technology**	**2012 - 2016**

- B.Tech. in Computer Science. 9.51/10
- Undergraduate Coursework: Data Structures and Algorithms; Operating Systems; Computer Networks; Database Systems; Distributed Systems; High Performance Computing; Parallel Computing

TECHNICAL EXPERIENCE

JuliaGraphs Developer (2015-2016)
- Developed a network analysis platform that allows users to analyze, mine and visualize graphs.
- Developed the Flow algorithms module for LightGraphs.jl.

Sharding Distributed Social Networks (2015)
- Developed and simulated sharding strategies for distributed databases used in Social Networks.
- Technical report published in Social Network Analysis and Mining.

UDPLite for NS2 (2014)
- Integrated the UDPLite protocol into NS2, and studied the performance of UDPLite in audio streaming applications on error prone networks.
- Also developed a patch to fix a long standing bug in the ARED AQM for wireless networks.

LANGUAGES AND TECHNOLOGIES

- Languages: Java; C; C++; Python; HTML; Javascript; Ruby
- Data Science: R, Julia, Spark, Hadoop