

Aniraj Kesavan

Curriculum Vitae

3445 Merrill Engineering Building,
50 Central Campus Dr
Salt Lake City, Utah 84102
☎ (801) 425 7410

✉ anirajkesavan@gmail.com
📄 <http://anirajk.github.io>

*Four years of Research Experience in Industry and Academia.
Large Scale Distributed Systems, In-Memory Databases,
Modern NICs and Monitoring Infrastructure.*

Education

- 2015–2017 **Master of Science**, *University of Utah*, U.S.A, GPA – 3.6.
Computer Science
- 2008–2012 **Bachelor of Technology**, *Cochin Univ. Science and Technology*, India, 66%.
Computer Science and Engineering

Masters Thesis

- Title *Making Large Transfers Fast For In-Memory Databases In Modern Networks*
- Advisor Prof. Ryan Stutsman
- Description This thesis explored how we can leverage scatter gather DMA technology from modern NICs to accelerate performance of large transfers for In-Memory Databases.

Experience

- 2015–Present **Graduate Research Assistant**, UTAH SCALABLE COMPUTER SYSTEMS LAB, Salt Lake City, Utah, U.S.A.
- Advised by **Prof. Ryan Stutsman**.
 - Research focusses on how modern networking hardware influence performance of large transfers of In-Memory Data.
 - Published Work:
 - *To Copy or Not to Copy: Making In-Memory Databases Fast on Modern NICs*
A.Kesavan, R.Stutsman, R.Ricci - Proceedings of the Fourth International Workshop on In-Memory Data Management and Analytics (IMDM) 2016 at VLDB 2016, New Delhi, India.
 - Also worked for Flux Research Group under **Prof. Robert Ricci** developing profiles for the **Apt** Cluster in **Cloudlab**.
- Summer 2016 **Site Reliability Engineering Intern**, LINKEDIN, Mountain View, California, U.S.A.
Interned with the Monitoring Infrastructure team developing autoremediation solutions for Monitoring Infrastructure at LinkedIn. Developed an out of band monitoring solution and some state driven automation.
- 2014–2015 **R&D Engineer - Pipeline**, DREAMWORKS ANIMATION, Bengaluru, India.
- Developed and re-engineered production pipeline for the Animation Studio.
 - Key member in the workflow execution engine development team.
 - Work based on flow based programming and graph theory.
 - Credited as R&D Engineer for three Hollywood productions - **IMDB profile**.

- 2012–2014 **Associate Software Engineer**, ZYNGA, Bengaluru, India.
- Developed and maintained **zBase**, the flagship NoSQL database in use at Zynga at that time.
 - Gained valuable experience in Distributed Systems, UNIX, VCS and Quality Engineering..

Academic Projects

Distributed Key-Value Store using Paxos Replication in Golang, A variation of **MIT 6.824** labs done for Distributed Systems course taught by Prof. Ryan Stutsman.

Network Management in public testbeds using Knowledge Graph, Academic project done for the Advanced Computer Networks course in an area of ongoing research under Prof. Jacobus (Kobus) van der Merwe..

Minibase Database System, Built various portions of a database kernel from ground up on an educational database system for Advanced Database Systems course under Prof. Feifei Li.

Positions of Responsibility

- 2015–2016 **Membership Chair, ACM Student Chapter**, UNIVERSITY OF UTAH, Salt Lake City, Utah, U.S.A.
- 2015 **Chairman & Founder, Quiz Club**, DREAMWORKS ANIMATION INDIA, Bengaluru, India.
- 2011–2012 **Student Coordinator, Placement Cell**, GOVT. MODEL ENGINEERING COLLEGE, Cochin, India.