Abhishek Alfred Singh | abasingh@ucsc.edu | 1-702-613-7886 | https://users.soe.ucsc.edu/~abasingh/

Research Objectives

To study, understand and build large scale distributed systems, focusing on developing new models of computation in distributed systems.

Education

1. PhD. University of California, Santa Cruz, 2018 – Present
   Advisor: Dr. Faisal Nawab, Assistant Professor, Baskin School of Engineering, UC, Santa Cruz

2. Master's Degree in Engineering (Distinction), Information Technology, 2011-2013,
   University Visvesvaraya College of Engineering (UVCE), Bangalore University, India
   Advisor: Dr. Kiran K, Assistant Professor, Department of CSE, UVCE

3. Bachelors Degree in Engineering, Electronics and Communication Engineering, 2003-2007
   Anna University, India

Publications

1. K Kiran, <u>Abhishek Alfred Singh</u>, P Deepa Shenoy, K R Venugopal, Lalit M Patnaik, *"Analysis of Traffic Splitting over a Multi-Hop Network with Hybrid WiMAX and Wi-Fi Nodes",* at IEEE International Conference on Parallel, Distributed and Grid Computing - December 2012, Shimla, pp 609-613

2. Kiran K, <u>Abhishek Alfred Singh</u>, Yadunandan S, P Deepa Shenoy, Venugopal K R, Lalit M Patnaik, *"Throughput Enhancement by Traffic Splitting over an Ad-Hoc Network with Hybrid Radio Devices",* at IEEE TENCON April 2013, Sydney, Australia, pp 371-375

3. K Kiran, T Shivapriya, <u>Abhishek Alfred Singh</u>, P Deepa Shenoy, K R Venugopal, Lalit M Patnaik, *"Traffic Splitting in Mobile Ad-hoc Multi Radio Network",* at IEEE IndiCon, December 2013, Mumbai, pp 1-4

4. K Kiran, T Shivapriya, <u>Abhishek Alfred Singh</u>, Nazima Begum, R Ramya, P Deepa Shenoy, K R Venugopal, Lalit M Patnaik, *"Performance Analysis of Beehive Routing in Multi radio Networks",* at IEEE Advance Computing Conference(IACC), February 2014, Gurgaon, pp 360-364

5. K. Kiran, Nazima Begum, R. Ramya, <u>Abhishek Alfred Singh</u>, P. Deepa Shenoy, K.R. Venugopal, Lalit M Patnaik, *"Dynamic Traffic Splitting in a Multi Radio Multi hop Network",* in Journal of Networking and Communication Engineering, Volume 6, No. 3, 2014

6. Anees Fathima S, Sushma K, Maboobi, Vishwas Narayan, <u>Abhishek Alfred Singh</u>, Kiran K, P Deepa Shenoy, Venugopal K R, *"CFT: Co-operative file transfer algorithm for multi network interface sessions",* in 2015 Annual IEEE India Conference (INDICON), New Delhi, 2015, pp. 1-5

Work

July 2013 – Aug 2018	R&D Engineer at Nokia Networks, Mobile Broadband Division, Bangalore, India
July 2012 – June 2013	Internship at Alcatel Lucent, WCDMA Division, Bangalore, India
Oct 2011 – April 2012	Teaching Assistant at University Visvesvaraya College of Engineering, Bangalore, India
Sep 2007 – Sep 2011	Lecturer (Tutor) at Rajiv Gandhi Institute of Technology, Bangalore, India

Skills

Programming Languages   Java, Go, C, C++, Python, Shell Scripting(bash),

Projects

1. Experiments with Transmission   https://bitbucket.org/alfredd/transmission
2. CFT (published in IEEE Indicon, 2015)   https://bitbucket.org/uvcenpg/musics
3. Transcribing musical pieces   https://github.com/alfredd/music

Leisure

When I'm not programming, I can be found playing the Piano or playing board games. After a gap of nearly 14 years, joined Piano performance studies at the Bangalore School of Music (BSM) in early 2016. I received a Level 2 Certificate (Grade 5) in Piano performance by the Trinity College of Music, London, in late 2016.