K.Srinivasan

Open Source Architect – Krishna iResearch – NeuronRain:
http://sourceforge.net/users/ka_shrinivaasan
https://github.com/shrinivaasanka
http://neuronrain-documentation.readthedocs.io/en/latest/

Research (Guided and Unguided) – http://sites.google.com/site/kuja27

About Myself

- Worked for various IT companies from 1999

- Doctoral research in CMI till 2011

- Presently working on a non-funded, not-for-profit open source initiative – repositories are in Sourceforge and GitHub – new machine learning powered linux kernel – NeuronRain - http://neuronrain-documentation.readthedocs.io/en/latest/

Academics/Awards/Recognition

- B.A(Hindi)-Praveen Uttarardh - Dakshin Bharat Hindi Prachar Sabha, Chennai - 1988-1992

- B.E(Computer Science and Engineering)-PSG College of Technology,Coimbatore – 1995-1999 – Proficiency award – Gold Medal recipient (2000)

- Master of Science(Theoretical Computer Science) – Chennai Mathematical Institute, Chennai – 2008-2010

- PhD(Theoretical Computer Science)-JRF-Chennai Mathematical Institute,Chennai – 2010-2011(took a break from PhD)

- Present – doing private independent academic research and also an open online free teaching: https://github.com/shrinivaasanka/Grafit/tree/master/course_material

- Teaching interests – algorithms, programming and open source, big data analysis, machine learning, cloud computing

Work/Research Experience

- BaaN Infosystems/SSA Global – 1999-2000 (Associate Software Engineer)

- iPlanet/Netscape/Sun Microsystems/Oracle – 2000-2005 (Member of Technical Staff)

- Krishna iResearch – Open Source Initiative of Self – Non-funded, Non-profit, Non-commercial – 2003 - (Architect and Developer) – NeuronRain Linux Kernel + Machine Learning - http://neuronrain-documentation.readthedocs.io/en/latest/

- Verizon – 2005 (System Analyst)

- webMethods/SoftwareAG – 2006-2008 (Specialist)

- Chennai Mathematical Institute,Chennai – 2010-2011 (PhD-Junior Research Fellow)

- Global Analytics/GAIN credit – 2011-2013 (Consultant and Architect)

- Clockwork Interviews/PiQube – 2013-2014 (Consultant)

- Cusdelight/CloudEnablers/Corestack – 2015 (Architect)

Publications/Preprints

- Decidability of Complement functions – 2011 - http://arxiv.org/abs/1106.4102

- Algorithms for Intrinsic Merit – TAC version – 2010 - http://www.nist.gov/tac/publications/2010/participant.papers/CMI_IIT.proceedings.pdf

- Algorithms for Intrinsic Merit – 2010 - http://arxiv.org/abs/1006.4458

- Google Scholar - https://scholar.google.co.in/citations?user=eLZY7CIAAAAJ&hl=en

Private Research (2012-)

- Major expansion of previous official PhD research till 2011

- Draft Publications are in - http://sites.google.com/site/kuja27

- Notable (unreviewed): Complexity of Majority and Non-majority boolean and non-boolean social choice(Margulis-Russo), Decidability of Complement diophantines, NC-PRAM Computational Geometric Factorization and Pell Diophantine, New Graph Theoretic Intrinsic Merit/Fitness measures, Recursive Lambda Function Growth based Graph Tensor Neuron Network Intrinsic Merit(Algorithmic Graph Theoretic models) for text graphs, Isomorphism of Integer partitions and tabulation/locality sensitive hashing(LSH), Majority voting and LSH etc.,