K.Srinivasan

(also known as : SrinivasanKannan, Ka.Shrinivaasan, ShrinivasKannan)

About Myself

Worked for various IT majors and startups for 19 years from 1999 and did Doctoral research in theoretical computer science till 2011. Presently working on a non-funded and not-for-profit opensource initiative and pursuing independent academic research.

Open Source Initiative - Krishna iResearch – 2003-present

Presently working individually on research and development of non-commercial, non-funded open source copyleft dual-licensed initiative (no team or sponsor involved) - cloud, bigdata analytics and machine learning augmented new Linux Kernel fork-off:

NeuronRain Research - http://sourceforge.net/users/ka_shrinivaasan
NeuronRain Enterprise - https://github.com/shrinivaasanka/
NeuronRain Documentation, FAQ and Licensing - http://neuronrain-documentation.readthedocs.io/en/latest/

Previous repositories include an open learning free courseware (https://github.com/shrinivaasanka/Grafit/tree/master/course_material) and implementations of publications and drafts in https://sites.google.com/site/kuja27/

Research Interests-Theory and Engineering

Computational Number Theory Algorithms, Computational Geometry, Computational Linguistics and Natural Language Processing, Computational Economics, Algorithms for Massive Datasets and Machine Learning, Intrinsic Fitness/Merit, Computational Complexity of Majority Voting, Satisfiability and related, Pseudorandomness, Program Analysis

Research Publications

- Decidability of Complementation - 2011 - http://arxiv.org/abs/1106.4102
- Algorithms for Intrinsic Merit - 2010 - http://arxiv.org/abs/1006.4458
- NIST TAC 2010 version of Algorithms for Intrinsic Merit - http://www.nist.gov/tac/publications/2010/participant.papers/CMI_IIT.proceedings.pdf

Independently researched draft publications – from 2012 - https://sites.google.com/site/kuja27/

Advisors/Co-Authors:

- Google Scholar - https://scholar.google.co.in/citations?user=eLZY7CIAAAAJ&hl=en
- DBLP - http://dblp.dagstuhl.de/pers/hd/s/Shrinivaasan:Ka=
- CMI - https://www.cmi.ac.in/people/alumni-profile.php?id=shrinivas

Publication Drafts - Unguided and Unreviewed – 2012-present

Independent academic research publication drafts expanded on previous publications in https://sites.google.com/site/kuja27/ delve into Complexity Theoretic Analysis of Non-majority and Majority Social Choice, Pseudorandomness, Goodness of Voting and Condorcet Jury Theorem, Complement Function, Ramsey coloring of sequences, Diophantine Analysis, Riemann Zeta Function, Hypergeometric Functions, Graph theoretic/Computational linguistic/Interview Intrinsic Merit/Fitness and Experiential Learning in the context of WWW (mostly text analysis) and Social networks, Flow Market Equilibrium and Merit Equilibrium, Neural Networks and Deep Learning, Quantum mechanics and Intrinsic Fitness, Hash Functions, Integer Partitions, Space filling/Tiling/Packing, Satisfiability (CNFSAT and QBFSAT), Linear and Convex-Concave Programming, Computational Geometric Integer Factoring and Connections amongst them etc., . These conceptual relations are described in NeuronRain FAQ: http://neuronrain-documentation.readthedocs.io/en/latest/