

# K.Srinivasan

(also spelt as : *SrinivasanKannan, Ka.Shrinivaasan, ShrinivasKannan*)  
(Research Website : <https://acadpdrafts.readthedocs.io>)

## About Myself

Worked for various IT majors and startups 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 unaffiliated academic research.

## Academics

- B.A(Hindi)-Praveen Uttarardh-Dakshin Bharat Hindi Prachar Sabha-Chennai - 1988-1992
- B.E(Computer Science)-PSG College of Technology,Coimbatore- 1995-99 - Gold Medalist for Proficiency
- MSc(Computer Science)-Chennai Mathematical Institute(CMI),Chennai- 2008-10
- Junior Research Fellow (PhD-Computer Science)-CMI,Chennai-Incomplete- 2010-11

## Work

- Associate Software Engineer - BaaN Infosystems (now SSA Global),Hyderabad - 1999-2000
- Member Tech Staff - iPlanet (Sun Microsystems-Netscape Alliance), Bangalore - 2000-2002
- Member Tech Staff - Sun Microsystems (now Oracle) - Bangalore - 2002-2005
- System Analyst - Verizon - Chennai - 2005
- Senior Software Engineer - webMethods - Bangalore - 2006-2007
- Engineering Specialist - webMethods (now Software AG) - Bangalore - 2007-2008
- Consultant and Architect - Global Analytics (now GAIN credit) - Chennai - 2011-2013
- Consultant - PiQube Analytics (Clockwork Interviews) - Chennai - 2013-2014
- Architect - Cusdelight-CloudEnablers - Chennai - 2015

## Research Publications - CMI/IMSc/IIT,Chennai

- 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](http://www.nist.gov/tac/publications/2010/participant.papers/CMI_IIT.proceedings.pdf)

## Research Profiles

- Google Scholar - <https://scholar.google.co.in/citations?user=eLZY7CIAAAAJ&hl=en>
- DBLP - <http://dblp.dagstuhl.de/pers/hd/s/Shrinivaasan:Ka=>
- arXiv - ORCID - <https://orcid.org/0000-0003-1822-4697>
- Microsoft Academic - [https://academic.microsoft.com/search?q=ka%20shrinivaasan&qe=%40%40%40Composite\(AA.AuN%3D%3D%27ka%20shrinivaasan%27\)&f=&orderBy=4&skip=0&take=10](https://academic.microsoft.com/search?q=ka%20shrinivaasan&qe=%40%40%40Composite(AA.AuN%3D%3D%27ka%20shrinivaasan%27)&f=&orderBy=4&skip=0&take=10)
- Researchgate - [https://www.researchgate.net/profile/Srinivasan\\_Kannan5](https://www.researchgate.net/profile/Srinivasan_Kannan5)
- Semantic Scholar - <https://www.semanticscholar.org/author/Ka.-Shrinivaasan/1861803>
- CiteSeerX - <https://citeseerx.ist.psu.edu/search?q=Ka.+Shrinivaasan>
- NASA/ADS - [https://ui.adsabs.harvard.edu/search/q=author%3A%22Shrinivaasan%2C%20Ka.%22&sort=date%20desc%2C%20bibcode%20desc&p\\_=0](https://ui.adsabs.harvard.edu/search/q=author%3A%22Shrinivaasan%2C%20Ka.%22&sort=date%20desc%2C%20bibcode%20desc&p_=0)

## Alumni Profiles

- CMI Alumni- 2008-10 - <https://www.cmi.ac.in/people/alumni-profile.php?id=shrinivas>
- CMI JRF - 2010-11 - <http://www.cmi.ac.in/people/fac-profile.php?id=shrinivas>
- PSG Tech - 1995-99 - <http://alumni.psgtech.ac.in/profile/view/srinivasan-kannan-1>

## Publication Drafts - Unguided and Unreviewed - 2012-present

Independent academic research publication drafts expanded on previous publications - <https://acadpdrafts.readthedocs.io>

## 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](http://sourceforge.net/users/ka_shrinivaasan)

*NeuronRain Green* - <https://github.com/shrinivaasanka/>

*Krishna iResearch GitHub Organization* - <https://github.com/Krishna-iResearch>

*NeuronRain Antariksh* - <https://gitlab.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](https://github.com/shrinivaasanka/Grafit/tree/master/course_material)) replicated in SourceForge, GitLab and implementations of publications and drafts in <https://acadpdrafts.readthedocs.io>.

## Brihaspathi - Private Online Virtual Classrooms

Private repositories of virtual classrooms for various commercial online courses (BigData, Machine Learning, Topics in Mathematics and Computer Science,...)- <https://github.com/Brihaspathi> - requires GitHub student logins

## Detailed CV

Details on work and academics - [https://github.com/shrinivaasanka/Krishna\\_iResearch\\_DoxygenDocs/blob/master/kuja27\\_website\\_mirrored/site/kuja27/CV\\_of\\_SrinivasanKannan\\_alias\\_KaShrinivaasan\\_alias\\_ShrinivasKannan.pdf](https://github.com/shrinivaasanka/Krishna_iResearch_DoxygenDocs/blob/master/kuja27_website_mirrored/site/kuja27/CV_of_SrinivasanKannan_alias_KaShrinivaasan_alias_ShrinivasKannan.pdf) , [https://github.com/shrinivaasanka/Krishna\\_iResearch\\_DoxygenDocs/blob/master/kuja27\\_website\\_mirrored/site/kuja27/BITSPilaniAV.pdf](https://github.com/shrinivaasanka/Krishna_iResearch_DoxygenDocs/blob/master/kuja27_website_mirrored/site/kuja27/BITSPilaniAV.pdf)

## Contact Address

172, Gandhi Adigal Salai,

Kumbakonam-612001

Ph: 9789346927

*ka.shrinivaasan@gmail.com, shrinivas.kannan@gmail.com, kashrinivaasan@live.com*

## Domain of Work - Development and Architecture

Middleware(Web, Application, Messaging etc.), Machine Learning, Bigdata Analytics, Linux Kernel, Cloud (Linux Kernelspace RPC, Hadoop, Spark, CloudOSes), C/C++/Java/Python.

## Research-Theory and Engineering

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