# Anil Kumar Muppalla

CONTACT Information

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INDUSTRY AND ACADEMIC APPOINTMENTS

#### Director and CEO

April 2013 to present

iMaGs Technological Solutions Pvt. Ltd., Bangalore, India

- Primary focus in education and advertising markets
- Design/Development of Educational Analytics(VidyaLytics) product for educational institutions.
- Design/Development of low cost Learning Management System(LMS) with focus on complete online course and evaluation system.
- Design/Development of e-marketing platform for advertising institutions.

## Senior Research Fellow

April 2012 to March 2013

M S Ramaiah Institute of Technology, Bangalore, India

- Supervisor: Professor K.G Srinivasa
- Focus: Design and Development of Internet Of Things frameworks.
- Focus: Using Data Mining and Machine Learning Approaches to improve Intrusion Detection Systems
- Teaching Assistant for course: Parallel Programming using CUDA.
  - Mentored course projects
  - Created practice manual.
  - Responsible for conducting and supervising laboratory.

## **Application Developer**

July 2011 to March 2012

CM Team, Texas Instruments, Bangalore, India

• designed, developed and maintained tools/scripts that provide data management solutions for implementing effective configuration management methodologies across various digital IC design teams within various business units of Texas Instruments.

EDUCATION

B.E., Computer Science and Engineering, June '11 GPA: 8.96 (10.0 scale) M S Ramaiah Institute of Technology, Bangalore, India Autonomous, affiliated to Visvesvaraya Technological University, Belgaum, India

AUTHORED BOOK Guide to High Performance Distributed Computing, Computer Communications and Networks series, Springer, 2015

Grants

Research on Low Cost Smart System to Manage Traffic and Movement of Emergency Vehicles, IEEE Humanitarian Challenge, September 2010 to November 2010.

Reviewer

- International Journal of Intelligent Systems Technologies and Applications (IJISTA)
- Parallel Processing Letters, PPL'13
- International Journal of Grid and Utility Computing, (IJGUC)
- Fourth International Conference on Communication Systems and Network Technologies 2014 (CSNT 2014)

# BOOK CHAPTERS

[1] Malavika Jayanand, **Anil Kumar Muppalla**, K. G. Srinivasa, G. M. Siddesh. Big Data Computing Strategies In: *Handbook of Research on Securing Cloud-Based Databases with Biometric Applications*, IGI Global, 2015. 1-434. Web. 28 Oct. 2014. doi:10.4018/978-1-4666-6559-0

- [2] Anil Kumar Muppalla, Pramod N, K G Srinivasa. Efficient Practices and Frameworks for Cloud based Application Development In: Software Engineering Frameworks for Cloud Computing Paradigm, Springer 2012, doi:10.1007/978-1-4471-5031-2\_14
- [3] Pramod N, Anil Kumar Muppalla, K G Srinivasa. Limitations and Challenges in Cloud based Application Development In: Software Engineering Frameworks for Cloud Computing Paradigm, Springer 2012, doi:10.1007/978-1-4471-5031-2\_3
- [4] Srinivasa, K.G., Harsha R, Kumar N. Sunil, Arhatha B, S.C. Abhishek, Raddi C.S. Harish and Kumar M. Anil. Weather Nowcasting Using Environmental Sensors Integrated to the Mobile In. Mobile Computing Techniques in Emerging Markets: Systems, Applications and Services IGI Global, 2012. Web. 4 Jan. 2012 doi:10.4018/978-1-4666-0080-5.ch007
- [5] Srinivasa, K.G., Vijayendra R, Raddi C.S. Harish and Kumar M. Anil. GSM: Future Viable Option for Interacting with Real-World Entities In. Mobile Computing Techniques in Emerging Markets: Systems, Applications and Services IGI Global, 2012. Web. 4 Jan. 2012 doi:10.4018/978-1-4666-0080-5.ch011

Journals

[6] K.G., Srinivasa, Anil Kumar Muppalla, Bharghava Varun A. and Amulya M. MapReduce Based Information Retrieval Algorithms for Efficient Ranking of Webpages In. IJIRR 1.4 (2011): 23-37. Web. 6 Nov. 2012.10.4018/978-1-4666-0080-5.ch007 doi:10.4018/ijirr.2011100102

## International Conferences

- [7] Aman Vora, M. Anil Kumar, K. G. Srinivasa, Low Cost Internet of Things based Vehicle Parking Information System In: Proceedings of the 6th IBM Collaborative Academia Research Exchange Conference (I-CARE) on I-CARE 2014, ACM, New York, NY, USA.
- [8] Srinivasa K G, Anil Kumar Muppalla, Bhargava Varun, Amulya M. Efficient Cloud based Information Retrieval algorithms using MapReduce framework, In: International Conference on Advanced Computing, Networking and Security (ADCONS 11), LNCS, Springer
- [9] Manjunath M, K G Srinivasa, Anil Kumar Muppalla. Fast Pattern Matching Approach for Network Intrusion Detection Systems In: Emerging Research in Electronics, Computer Science and Technology, Lecture Notes in Electrical Engineering 248, Springer India 2014, doi:10.1007/978-81-322-1157-0\_39
- [10] Thara K L, K G Srinivasa, Anil Kumar Muppalla. Pattern Matching for Fragmented Packets in Intrusion Detection Systems In: First International Conference on Future Computing (ICFC 2012), Narosa

EXTRA-CURRICULAR

- Conducted Software Development workshop for the officers of the Indian Navy, Gujarat, 2013
- Conducted Hadoop workshop at Reva Institute of Technology & Management, 2011 and 2012
- Co-ordinator and Treasurer for Vrglinug, MSRIT Linux Group, 2010-2011
- Co-ordinator IEEE Student Chapter, MSRIT, 2010-2011