

EMPLOYMENT

Data Engineer	Spotify, USA	Jan 2017 - Present
<ul style="list-style-type: none"> • Building and maintaining real time streaming infrastructure • CI/CD platform for real time pipelines • Maintaining event schema evolution system • Developer advocate for Google Stream Processing solutions • Continuously assisting feature teams building fast and reliable streaming pipelines 		
Data Engineer, Intern	Spotify, USA	Jun 2016 - Aug 2016
<ul style="list-style-type: none"> • Helped build anomaly detection in real-time stream pipelines. • Assisted in monitoring and maintaining existing backend infrastructure • First iteration of Avro Schema Lookup Service for encoding and decoding Spotify client events at scale • Worked with customers and internal consultants to solve problems and fixing bugs 		
Graduate Researcher	Georgia Institute of Technology, USA	Aug 2015 - Dec 2016
<ul style="list-style-type: none"> • Supervised 25 students in Vertically Integrated Program • Helped develop and deploy data warehouse system containing anonymized student learning data • Teaching assistant for Data Driven Education course • Helped drive data discovery and build a data glossary 		
Co-Founder and CEO	IMAGS Technological Solutions Pvt Ltd, India	Jan 2013 - Jun 2015
<ul style="list-style-type: none"> • Design and development of data management and analytics solutions for educational institutions providing effective course management and student analytics. 		

EDUCATION

MS Computer Science, 3.8/4.0	Georgia Institute of Technology, USA	Aug 2015 - Dec 2016
BS Computer Science, 8.96/10	M S Ramaiah Institute of Technology, India	Aug 2007 - Jun 2011

TECHNICAL EXPERIENCE

Co-Authored Book

- *Guide to High Performance Distributed Computing*. Published by Springer, 2015 – Tutorials on Hadoop, Scalding and Spark with implementations of several machine learning techniques along with a Movie Recommender System project.

Projects

- *MAC - Music Augmented Conversation* - Slack bot that integrates Spotify API and MusixMatch API that provides searching for music based on lyrics (2016).
- Deep data analysis of the Wine Quality and Wall-Following Robot datasets using various ML techniques like Supervised, Unsupervised, Randomized Optimization – Applied Reinforcement Learning techniques like Value Iteration, Policy Iteration and Q-Learning to train an agent to traverse a MDP - RLSIM, Weka (2016)
- *Recommend Photo Filters* for Instagram Images – Python Flask, JavaScript, Instagram API's (2016)
- *EasyMeet* - Location aware solution for a group of people - Android, Google Places (2015)
- Linear Regression, K-Means, Naive Bayes, Gradient Descent Algorithms - Scalding, Spark (2015)

Publications/Book Chapters/Journals

- 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.

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- **Anil Kumar Muppalla, Pramod N, K G Srinivasa.** *Efficient Practices and Frameworks for Cloud based Application Development.* In: **Software Engineering Frameworks for Cloud Computing Paradigms, Springer 2012.**
 - **Pramod N, Anil Kumar Muppalla, K G Srinivasa.** *Limitations and Challenges in Cloud based Application Development.* In: **Software Engineering Frameworks for Cloud Computing Paradigms, Springer 2012.**
 - **K.G., Srinivasa, Anil Kumar Muppalla, Bharghava Varun A, Amulya M.** *MapReduce Based Information Retrieval Algorithms for Efficient Ranking of Webpages* In. **IJRR 1.4 (2011): 23-37. Web. 6 Nov. 2012**
 - **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.**

Grants

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

LANGUAGES | TECHNOLOGIES

- **Java; Scala; Python**
- **Google Pub/Sub; Google Dataflow; BigQuery; Tableau; Hadoop; Spark; Scalding; Android; D3; Python Pandas**