

EMPLOYMENT

Data Engineer	Spotify, USA	Jan '17 - Present
<ul style="list-style-type: none">Data Infrastructure Tribe (Event Horizon squad) with a focus on real time streaming pipelines – Google Pub/sub, Dataflow		
Data Engineer, Intern	Spotify, USA	Jun '16 – Aug '16
<ul style="list-style-type: none">Data Infrastructure Tribe (Event Horizon squad) with a focus on real time streaming pipelines – Google Pub/sub, DataflowDetection of Anomalies using normalized events – Google Pub/Sub, Dataflow, BigQuery, TableauFirst iteration of Avro Schema Lookup Service for encoding and decoding Spotify client events at scale		
Graduate Researcher	C21U, Georgia Institute of Technology, USA	Aug '15 – Dec '16
<ul style="list-style-type: none">Data Driven Education - Built a data warehouse using Amazon Redshift, S3Supervised 10 – 15 students as part of the Vertically Integrated Program		
Co-Founder and CEO	IMAGS Technological Solutions Pvt Ltd, India	Jan '14 – Jun '15
<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. Technologies: Ruby on Rails, JavaScriptAcquired 2 customers within 2 months of inception.		

EDUCATION

MS Computer Science, 3.8	Georgia Institute of Technology, USA	Aug '15 – Dec '16
<ul style="list-style-type: none">Fall 2016 : Computability and Complexity, Big Data Systems and Machine Learning for TradingSpring 2016 : Database System Implementation, Machine Learning, Data and Visual AnalyticsFall 2015 : Advanced Operating Systems; Computer Networks; Real Time Systems		
BS Computer Science, 8.96/10	M S Ramaiah Institute of Technology, India	Aug '07 – Jun '11

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

- 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.
- 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.

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- 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. IJIRR 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; Python; Scala; JavaScript
- Google Pub/Sub; Google Dataflow; BigQuery; Tableau; Hadoop; Spark; Scalding; Android; D3; Python Pandas