

## EMPLOYMENT

<b>Data Engineer</b>	<b>Spotify, USA</b>	<b>Jan '17 - Present</b>
<ul style="list-style-type: none"><li>Data Infrastructure Tribe (Event Horizon squad) with a focus on real time systems – Google Pub/sub, Dataflow, Scio, BigQuery</li></ul>		
<b>Data Engineer, Intern</b>	<b>Spotify, USA</b>	<b>Jun '16 – Aug '16</b>
<ul style="list-style-type: none"><li>Data Infrastructure Tribe (Event Horizon squad) with a focus on real time streaming pipelines – Google Pub/sub, Dataflow</li><li>Detection of Anomalies using normalized events – Google Pub/Sub, Dataflow, BigQuery, Tableau</li><li>First iteration of Avro Schema Lookup Service for encoding and decoding Spotify client events at scale</li></ul>		
<b>Graduate Researcher</b>	<b>C21U, Georgia Institute of Technology, USA</b>	<b>Aug '15 – Dec '16</b>
<ul style="list-style-type: none"><li>Data Driven Education - Built a data warehouse using Amazon Redshift, S3</li><li>Supervised 10 – 15 students as part of the Vertically Integrated Program</li></ul>		
<b>Co-Founder and CEO</b>	<b>IMAGS Technological Solutions Pvt Ltd, India</b>	<b>Jan '13 – Jun '15</b>
<ul style="list-style-type: none"><li>Design and development of data management and analytics solutions for educational institutions providing effective course management and student analytics. Technologies: Ruby on Rails, JavaScript</li><li>Acquired 2 customers within 2 months of inception.</li></ul>		

## EDUCATION

<b>MS Computer Science, 3.8</b>	<b>Georgia Institute of Technology, USA</b>	<b>Aug '15 – Dec '16</b>
<b>BS Computer Science, 8.96/10</b>	<b>M S Ramaiah Institute of Technology, India</b>	<b>Aug '07 – Jun '11</b>

## 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.
- 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.

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- K.G., Srinivasa, Anil Kumar Muppalla, Bhargava 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.

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#### **LANGUAGES | TECHNOLOGIES**

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