New York, NY

ANIL MUPPALLA

http://anilmuppalla.me/

EMPLOYMENT

Data Engineer — **Spotify, USA** — **Jan 2017 - Present**

- **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**

- **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**

- **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**

- **Design and development of data management and analytics solutions for educational institutions providin 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 Recommende 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 lik Supervised, Unsupervised, Randomized Optimization – Applied Reinforcement Learning techniques like Valu 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.**
- **K.G., Srinivasa, Anil Kumar Muppalla, Bharghava Varun A, Amulya M.** *MapReduce Based Information Retrieva 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) or 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**