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ANIL MUPPALLA

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EMPLOYMENT

Data Engineer, Intern — **Spotify, USA** — **Jun '16 - Aug '16**

- Data Infrastructure Tribe (Event Horizon squad) with a focus on real time streaming pipelines – Google Pub/sub, Dataflow
- Detection of Anomalies using normalized events – Google Pub/Sub, Dataflow, BigQuery, Tableau
- First 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**

- Data Driven Education - Built a data warehouse using Amazon Redshift, S3
- Supervised 10 – 15 students as part of the Vertically Integrated Program

Co-Founder and CEO — **IMAGS Technological Solutions Pvt Ltd, India** — **Jan '14 – Jun '15**

- Design and development of data management and analytics solutions for educational institutions providing effective course management and student analytics. Technologies: Ruby on Rails, JavaScript
- Acquired 2 customers within 2 months of inception.

EDUCATION

MS Computer Science, 3.85 — **Georgia Institute of Technology, USA** — **Aug '15 – Dec '16**

- Fall 2016 : Computability and Complexity, Big Data Systems and Machine Learning for Trading
- Spring 2016 : Database System Implementation, Machine Learning, Data and Visual Analytics
- Fall 2015 : Advanced Operating Systems; Computer Networks; Real Time Systems

BS Computer Science, 8.69/10 — **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 and Publications

- 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)
- Efficient practices and frameworks for cloud based application development In: Software Engineering Frameworks for Cloud Computing Paradigm, Springer (2012)

LANGUAGES | TECHNOLOGIES

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