

EDUCATION

MS Computer Science, 3.85	Georgia Institute of Technology, USA	August 2015 - December 2016
<ul style="list-style-type: none">• Fall 2015 : Advanced Operating Systems; Computer Networks; Real Time Systems• Spring 2016 : Database System Implementation, Machine Learning, Data and Visual Analytics, Research Problem• Fall 2016 : Computability and Complexity, Information Security and Machine Learning for Trading		
BE in CS, 8.96/10	M S Ramaiah Institute of Technology, India	August 2007 - June 2011

EMPLOYMENT

Data Engineer, Intern	Spotify, USA	June 2016 - 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• Detection of Anomalies using normalized events – pub/sub, dataflow, big query, tableau		
Graduate Researcher	C21U, Georgia Institute of Technology, USA	August 2015 – May 2015
<ul style="list-style-type: none">• Data Engineering - Design and development of data analytics engine as part of the Big Data and Learning Analytics team.• Evaluated data from several MOOCs to establish data models for data storage and processing.• Created a data pipeline using AWS services like – Redshift, Dynamo DB, EMR		
Co-Founder and CEO	IMAGS Technological Solutions, India	January 2014 - June 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. Technologies: Ruby on Rails, JavaScript• Acquired 2 customers within 2 months of inception and architecting a personalized solutions.•		
Senior Research Fellow, CS	M S Ramaiah Institute of Technology, India	March 2012 - December 2013
<ul style="list-style-type: none">• Research Focus on : Distributed Systems like Hadoop, Spark, Scalding and Cloud Computing• Led the effort in setting up dedicated cluster computing R&D lab using Hadoop.		

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 – Weka, Abagail
- Applied Reinforcement Learning techniques like Value Iteration, Policy Iteration and Q-Learning to train an agent to traverse an MDP - RLSIM
- Recommending filters from Image Category and Instagram Data Analysis – Flask, JavaScript, Instagram API's
- Efficient practices and frameworks for cloud based application development In: Software Engineering Frameworks for Cloud Computing Paradigm, Springer (2012)

Key Skills

Lang: Java; Python; Scala;
JavaScript,

Technologies : Google pub/sub, Google Dataflow, Big Query, Tableau,
Hadoop, Spark, Scalding, Android, D3, Python Pandas