

Key Skills	Programming	Technical	Interpersonal	Tools	Techniques
	R	Requirements Analysis	Team Management	Basic OpenCV	Topic Modelling
	Basic C++	Business Context &	Peer Counselling	R-HBase	Sentiment Mining
	Basic Java	Problem Definition		PERT	Support Vector Machines

Work Experience	Senior Research Analyst, Innovation Labs Mu Sigma Business Solutions	September 2012 - Present 1 year 6 months
	My work in Mu Sigma involves Analytics Research and Product Design, and is focused at information retrieval and visualization from large volume unstructured sources like twitter, text response surveys, resume databases etc. I use algos like Deep Learning, LDA, SVMs etc and tools like HBase to store and extract meaningful information from text, audio and image data. I am the primary developer in a team working on a product on automating enterprise scale unstructured data analysis.	
	I also work in the field of Computer Vision and the Internet of things, with focus on real time algorithms for seamless Man-Machine and Machine-2-Machine interactions.	
	I lead a team of three people working towards creating product prototypes in the field.	
	Research Associate, Recruitments Consulting Talent Quest	June 2012 - August 2012 3 months
	My work in Talent Quest involved Executive Search and Consulting Services to companies for various profiles, in mid- and senior management positions. I worked across domains and groups including The Oberoi Group and The Marriott Group in Hospitality, Towers-Watson in BFSI, Max Ventures, CVENT India and Rhythm Corner Associates.	

Internships	Trainee Requirement Analyst TechEpsilon Software	May 2011 - December 2011 8 months
	Statistical Quality Assurance Intern Perfetti Van Melle India	January 2012 - April 2012 4 months
	Industrial Research Trainee Ranbaxy Research Labs	December 2009 1 month

Education	Bachelor of Engineering - Biotechnology Manipal Institute of Technology	August 2008 - May 2012 4 years
	AISSCE 2008	April 2008
	Delhi Public School, Vasant Kunj, New Delhi	

Projects

Deep Learning

January 2014

Used Stanford-CoreNLP based architectures to create sentiment mining engine in R, including sentence parse trees tagging and semantic compositionality analysis.

Historical Analysis on Tweets

Created the HBase schemas, rowkey designs, multicore processing paradigms to implement Topic Modelling and Sentiment Analysis for medium to large datasets of 20000+ tweets. Worked with MongoDB, Thrift Server and the RHbase package by Revolution Analytics.

Text Mining: Sentiment Analysis (Unsupervised Learning)

April 2013

Maintained a lexicon based sentiment scoring app + package for quasi real time and batch applications.

Text Mining: Sentiment Analysis (Supervised Learning)

March 2013

Implemented automated tagging for train data and an SVM based sentiment scoring (multi-class classification) in real time on streaming tweets.

Text Mining: Topic Modelling of Tweets

January 2013

Implemented LDA on tweets in a quasi real time fashion along with downstream analysis such as word and tweet associations.

Text Preprocessing/Cleanup

November 2012

Created reusable text cleanup module (R Package) for general cleanup tasks required as a precursor for most text mining applications.

Products

Customer Feedback Analysis

March 2014

Mu Sigma Business Solutions

Primary Developer

Created a custom realtime customer feedback analysis product for the world's largest retailer achieving huge reduction in issue identification and resolution time.

Transport Routes Optimization & Management

September 2013

Mu Sigma Business Solutions

Self- Internal Hackathon

Conceptualized, designed and created an app/productlet to optimize last-mile delivery routing with the aim to automate and optimize cab routing system based on ad-hoc requests. The app is extensible to optimize any local (intra-city) routing problem with constraints on number of vehicles, capacity of each vehicle, time, and distance amongst others.

HR Analytics- Employee Feedback Analysis

March 2013

Mu Sigma Business Solutions

Primary Developer

Conceptualized and created backend for a company wide automated employee feedback analysis application with metrics measuring sentiments, team cohesion, and quantified employee-manager relationships.

Office Automation System

April 2011

TechEpsilon Software

Requirement Analyst

Requirement Analysis, preparation of external requirement specifications document, and UI design for a software project for an international client.