

# Eeshan Chatterjee

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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	Data Scientist <b>Media iQ Digital</b> Identification, development and integration of horizontal data sources like weather, TV, and social channels for real time contextual bids on digital adspace. Media analytics consultation, product development and management.	November 2014 - Present
	Lead- Commercialization, Innovation Labs Earlier: Senior Research Analyst, Innovation Labs <b>Mu Sigma Business Solutions</b> Analytics Research, Product Design and Consultation for internal and external clients. Information retrieval and visualization from large volume unstructured sources like twitter, text response surveys, resume databases etc using algos like Deep Learning, LDA, SVMs etc and tools like HBase to store and extract meaningful information from text, audio and image data. Lead a team of four with focus on real time algorithms for computer vision and the Internet of things.	September 2012 - October 2014 2 years
	Research Associate, Recruitments Consulting <b>Talent Quest</b> Data driven recruitment for mid- and senior management positions 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.	June 2012 - August 2012 3 months

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

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

Eeshan Chatterjee | Citizenship: Indian | Date of Birth: August 9, 1990

<https://github.com/EeshanChatterjee/> | <http://in.linkedin.com/pub/eeshan-chatterjee/33/b47/969>

A-323, Mahaveer Tuscan Apartments, Basavana nagar Main Road, Near Hoodi Circle, Whitefield, Bangalore, 560066.

## 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.