Ravi Karan Sharma

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📍 Buffalo, New York

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Professional Experience

Wize Commerce Ltd. // nextag.com // Software Engineer // May'11 - Jul'13

o Developed core Product Catalog technology stack for high-volume (≈140 mill Products/12 hours) & high-availability (24x7) tasks to import products/models/entities from partners like Rakuten.jp, Ebay.com etc.   `[Hbase/Spring Batch]`

o Developed the architecture for the Product Catalog to integrate, classify product & merchant data in high-revenue product categories into meta-data and exposing them as services through APIs   `[Hibernate/Java/SQL/Lucene]`

o Developed high-revenue features on the Search Page & Product Page of Nextag.com using these APIs   `[JSP/Java/JS]`

o Optimized the response-time of the high-revenue Search Page of Nextag.com using Bloom Filters to optimize MySQL lookups by 100-200 ms, JavaScript & CSS performance on page-load by 200-350ms, increasing sales   `[Java/JS/SQL]`

o Developed internal tools for analysts to increase product catalog quality   `[Spring MVC/Java/SQL]`

o Independent technical migration & configuration the main WebApp Nextag.com to Nextag.nl (Netherlands)

Samsung India Software Operations // Software Engineer // Jul'09 – May'11

o Developed automatic Data-Network [LTE/GSM/CDMA] selection in LTE stack in Android Eclairs/Froyo Telephony Framework for the first LTE phone in America by Verizon, 'Stealth V'.   `[Android Framework/Java/C++]`

o Evaluated IPv6 & Dual-Stack (tunnelling) in Android Eclairs for mainstream IPv6 Access Points in telephony networks published as an internal WhitePaper.   `[Android Framework/C]`

o Pilot Project: Developed Tap-to-Focus feature for the Android Cupcake Camera App for all shooting modes (burst/panaroma/macro), implemented support on all modules of Android Framework, from hardware interface to the camera app.   `[Android Framework/Java/JNI/C++]`

Education

MS in Computer Science // University at Buffalo, SUNY // 3.833/4.0 // 2013-2015

Information Retrieval	o Topic Modelling on Twitter #trends ⭕ github.com/ravioactive/trendcom	`[Python/Gensim/MongoDB]`
	o Location-aware News Search ⭕ github.com/ravioactive/locnews	`[Apache Solr/Java/Spring]`
	o Indexer System on Wikipedia articles ⭕ github.com/ravioactive/wikiindexer	`[Java]`
Machine Learning	o Search Parameter Tuning on Microsoft LETOR ⭕ github.com/ravioactive/letor	`[Matlab]`
	o Hand-written digits Recognition ⭕ github.com/ravioactive/digitrecog	`[Matlab]`
Data Intensive Comp.	o Exploratory Data Analysis of Earthquakes in 2013 ⭕ github.com/ravioactive/quakeeda	`[ R ]`
	o Twitter Analysis & User Clustering ⭕ github.com/ravioactive/twittermapred	`[MapReduce/Hadoop]`

B.Tech in Computer Science // National Institute of Technology (NIT), Rourkela, India // 7.13/10.0 // 2005-2009

Major Project in Removal of Additive Gaussian Noise in Images through Image Processing Techniques   `[Matlab]`

Skills

Platforms	o	Java, Python, C/C++, JavaScript, SQL, JSP, R, MongoDB, jQuery, Spring, Apache Solr, Tomcat, Struts
Tools	o	Git, SVN, JIRA, Jenkins, Google PageSpeed, Chrome SpeedTracer, SQL Developer, Junit, JMockIt/TestNG
Design	o	Scalable, High-performance Systems, Multi-Threaded applications, Test Driven Development, Agile Development, High Performance Websites, SEO-aware webapps

Extra-Curricular

o Founder & Chief Editor of autonomous student publication during undergrad at NIT Rourkela, India

o Event-Coordinator & Creative Head in Management and Cultural Festivals during undergrad at NIT Rourkela, India