Ravi Karan Sharma

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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 an architecture to integrate, classify product & merchant data in high-revenue product categories into meta-data and exposing them as infrastructure services through APIs   `[JSP/Java/Lucene]`

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, increased sales-conversion.   `[Java]`

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

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

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

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

o Developed automatic Data-Network [LTE/GSM/1xRTT/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/Java/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 Twitter #Trend Recommendation [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, JSP, R, MongoDB, jQuery, Mootools, 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

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

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