Yuvraj Kumar Singh

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EDUCATION

Duke University	**Durham**	May 2013
Masters of Engineering Management		GPA: 3.4

Project Management, Data Mining, Data Intensive Computing on Hadoop, Databases, Computer Network/Distributed System, Algorithm and Data Structure , Marketing, Finance, Statistics

National Institute of Technology		
Bachelor of Technology in Electronics and Communications	**Jaipur, India**	May 2008
		GPA: 3.74

SKILLS

Programming Languages: Python, Java, PHP
Scripting Language: JavaScript, Perl, Python, Shell Scripting, HTML5
Analysis tools: Panda, Numpy, R, Crystal Ball, SAS, Microsoft Excel
Data Visualization: Tableau, d3.js, Bokeh
Databases: MySQL, PIG, Hive
Technology: Cloud Technology, Hadoop, Android, Flask, Heroku
Tools: Symphony, Smarty, CodeIgniter, Clear Case and Clear Quest., Code Rule Checker, Star UML and TAU (Design Tools), Defect Management Tools (like Valgrind), PHPUnit, Scrum
Certifications:

- Data Science certification courses, John Hopkins University (Coursera)
- Machine Learning, Stanford University (Coursera)
- Completed a Six Sigma Green Belt Project.

EXPERIENCE

Senior Data Analyst, Comscore   Jul 2013 – Present

Data Engineer: Work with large and complex data sets to solve difficult and non-routine problems and worked with customers and partners to identify new models and new opportunities. Cleaned, explored and analysed terabytes of data to provide our client with best product to help them with their strategic decision.
ETL Developer: Responsible for managing custom generated data for the client and created more than 100 python scripts to modify and extract rich information out of data. Worked extensively on GreenPlum and SQL server to analyse the data.
Digital Media Analyst: Created solution to analyse the data collected from digital platform like PC, Mobile and OTT platform. Helped more than 90 clients to integrate ComScore solution in their product bringing value of more than $3 million to the company.

Student Consultant, NetApp and Duke University   Jan 2013 – Jul 2013

- Researched on the various part of datacentre which includes both technical as well as market trend for cloud, virtualization, computing server, hypervisor, host side storage, networking protocols , and all type of storage including DAS, NAS and SAN.
- Gained deeper understanding about the product of NetApp and looked into the value that SDN can add to their product.
- Working with diverse team to understand technology, resources, opportunity, market, competitors and apposite time to enter the market.

Research Assistant Duke University   Aug 2011 – Dec 2011
- Populated and analysed relevant data about vaccines using SAS and STATA and forecasted the market behaviour of drugs
- Developed Android application for their product.

Co-Founder, ShelfRelief.com Duke University, Durham   Aug 2011 – Present
(ShelfRelief is an e-commerce start-up that creates a platform for the university students to sell their old books)
- Provided technical consultancy regarding website maintenance, Android, application development, database management and UI Development for a web start-up

Senior Software Engineer, Infoedge Ltd Noida, India   Sept 2010 – Aug 2011
- Responsible for design and development of India`s large jobseeker website
- Improved the speed, throughput and efficiency of the website by improvising the development tools and frameworks like smarty, symphony and PHPUnit
- Ensured security and maintenance of databases (SQL) and created an interactive MIS to monitor Jobseeker activity, popularity of a new product, and relevance of the job suggestions
- Increased revenue by 75% by creating a new process to manage advertisements on the website

Senior Software Engineer, Samsung Noida, India   Jul 2008 – Sept 2010
- Steered applications on IP-TV from their design, development, testing, and product release
- Developed Application on IP-TV using C++ on x86, cross compiled and ported it on ARM board
- Coordinated with Korean counterpart to understand their requirement, presented it to my team and synchronized software development at both the ends
- Filed a patent on recommendation system which recommends a queue of videos to an IP-TV used using metadata. The idea was a part of a product called "See`N`Search"
- Worked on agile software development methodology to complete our project using Scrum.
- Created an intra E-Learning platform for Samsung employees as a part of my six sigma project in order to reduce man hour and optimize training process

Student Intern, IIT BHU Varanasi, India   May 2007 – July 2008
- Formulated a business model and framework for internet start-up, which provides ERP solution for the garment industry
- Developed software to centralize the process of tracking a product using RFID

Student Intern, National Thermal Power Corporation   May 2006 – July 2007
- Analysed and recommended some improvements in the supply chain using basic tool like excel.
- Created a web interface to monitor sensitive data of the power-grid from the control lab

LEADERSHIP EXPERIENCE AND EXTRACURRICULAR ACTIVITIES
- Graduate assistant, The Graduate school Dean , Duke University , responsible for organizing extracurricular activity in Graduate School
- Co-Founder, Suraja, an NGO that works for elimination of child labour in India
- Director, Electronica club in NIT Jaipur and organized Electronic symposiums for 2006-2008