

NITIN GUPTA

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Seeking assignments in Big Data & Analytics with an organization of high repute

~ Certificate Program in Business Analytics from Indian School of Business (ISB) and B-Tech(IT) from NIT Kurukshetra ~

PROFILE OVERVIEW

- Experience in understanding business priorities and deriving data driven solutions, enabling client value-creation and business impact
 - Collaborate with business partners to develop predictive analytic solutions and tools for large data sets that enable data-driven strategic decision-making
 - Passionate about data science and actively participate in research & development in Artificial Intelligence technologies and encourage the same within team
 - Result oriented person to apply appropriate analytical techniques & turn analytic insights into actionable results to enhance organization's effectiveness & efficiency
 - Manage project deliverables, client communication, stakeholder management and project teams (Size: 7 or more) as well as individual contributor
 - Proficient in handling vendor teams & using agile methodology to finish the work on time through continuous proactive feedback to improve the deliverables
 - Worked across frameworks like AGILE & FastWorks to deliver quality products
 - Accountable for model development, big data strategy from inception to delivery
 - Enable the team to develop compelling storyboards and communicate effectively their plan and results as actionable insights to the leadership
 - Effective interpersonal and networking skills thus ensuring successful engagement of the data strategists with the stakeholders in the organization
 - Strong story-telling & articulation skills to convert analytics into clear, concise, persuasive insights & recommendations for technical & non-technical audience
 - Work with client and internal teams to translate prototypes into new products, services and features and provide guidelines for large-scale implementations
 - Mentor junior data scientists on data science techniques & opportunities
 - Experience in full lifecycle of product development to develop great products
- 7+ years experience in:**
- Verifying and validating Big data solutions
 - Text Analytics/NLP
 - Data Collection and Visualization
 - Market Research
 - Data Analytics and validation
 - Machine Learning
 - Statistical modeling
 - Quality Assurance
 - Hadoop
 - Descriptive Analytics
 - Predictive modeling
 - Time series forecasting
 - Tableau dashboards
 - Datalake
 - SQL , NoSQL
 - Architectural design
 - Tableau / Predix

TOOLS AND TECHNOLOGIES WORKED ON

- Domains worked on - Retail, telecom , ecommerce, industrial, inventory and procurement
- Experience with the Hadoop stack - MapReduce, Pig, Hive, HCatalog , Oozie , R programming
- **Techniques:** Advanced Statistical Analysis & Techniques, Regression, Data Visualization, Data Mining, Machine Learning, Social Media Analytics, Customer Analytics, Natural Language Processing, Time series forecasting
- Experience using stat and reporting tools like R, SQL, Tableau, Python
- Other known – JIRA, Jenkins, Python, Unix, Agile methodology, SVN, GIT
- Started exploring Spark, Amazon Web Services (AWS) to identify potential application in the projects

CREDENTIALS

- **2014-15** Certificate Program in Business Analytics from Indian School of Business, Hyderabad, 3.04/4
- **2006-10** B-Tech (IT) from National Institute of Technology, NIT Kurukshetra, Haryana , CGPA 8.44/10
- **2005-06** XII , CBSE , 87.2%
- **2003-04** X , CBSE , 86.2%

CAREER REVIEW

Key Projects/Deliverables:

Productivity projects

1. Worked on unplanned outages to find out pattern through text mining and exploratory data analysis to recommend which parts of the turbines are most affected and need immediate resolution

	<p>2. Led the Parts Harmonization program and developed/identified opportunities for net new analytics targeted towards procurement of non-capital parts (NCPs). Savings accounted for \$6.4Million through this project</p> <p>3. Anomaly detection algorithms to raise alarms when an anomaly is detected</p> <p>4. Auto RCA – Using NLP technique to identify root case for a particular ticket, do topic modeling and find similar issues using cosine similarity and LDA technique and text rank algorithm to score similar cases</p> <p>5. Building predictive models to predict when a particular turbine would fail so that the services team is prepared for the outage</p> <p>6. Created knowledge discovery platform that mine valuable intelligence from GE's Servicenow database for Water business field personnel</p> <p>7. Worked on one of the biggest migration efforts in GE to port all the analytics from legacy platform to AWS. Instrumental in designing key architectural changes for migration testing and performance of the new system. Savings to the tune of 300 million dollars</p>
Churn Prediction Model	The model was build to predict customer churn from GAP websites and provide them with relevant offers spot on so that the churn could be avoided
Agrostar Sales forecast model	As Capstone project at ISB, develop a model to forecast sales and procurement of materials from the vendors by analyzing the past data, training and validating it and coming up with a model which can be extendable for business expansion in other states and regions.
Demand Forecast In Season	The model was build to forecast how much demand would be in each store in season & accordingly dispatch the items from the warehouse. This project is executed across brand, market, channel at sku-store level on big data platform
Email Response Model	Made email response model using Support Vector Machine (SVM) and Random Forest algorithms to identify potential customers for promotional campaigns
Roaming Reduction	This product was build to help telecom clients understand what are the locations where they are incurring highest roaming charge, trend and help them analyze where they should install their towers to save roaming cost with the help of interactive dashboards and stats
Network Executive Report	A real time descriptive analytics dashboard built to help senior executives in telecom understand how the networks are primarily used

Lead Data Scientist ► GE Power, Bangalore India

Jan 2016 - Present

Roles and Responsibilities:

- Working on Industrial data to create analytic for GE Power Business - Anomaly detection, parts harmonization, non capital parts cost classification
- Contributing in improving the models so that they can be operationalized
- Leading efforts to create products through data mining and Natural language processing (NLP)
- Identify analytic projects for Water business to decrease technology team effort to market products to clients
- Working on Productivity projects to reduce costs and increase productivity in sourcing parts
- Prioritizing the various analytics projects by evaluating the dollar value they are bringing to GE
- Creating and guiding the end to end analytics pipeline of product life cycle
- Designing architecture for legacy application databases to create data lake and for migration efforts.
- Interacting with various stakeholders across different teams to identify areas where the team can add value
- Selling solutions developed for one customer by making them generic and reusable by other teams/customers

Associate Manager ► GAP Advanced Analytics, Mumbai India

Aug 2014 - Dec 2015

Roles and Responsibilities:

- Responsible for setting up entire QA operations for the big data engineering team in Mumbai
- Worked as product owner to coordinate with developers, QAs and data scientists to deliver quality product
- Contributed in improving the models so that they can be production ready
- Evaluated and implemented new forecast methods in the models
- Created email marketing model, attrition model, analyzed omniture data for customer behavior
- Wrote oozie workflows and R scripts to create validation framework
- Led the effort to create test harness for Continuous Integration pipeline

Sr Big Data QA ▶ Guavus Networks Gurgaon, India

Mar 2013 -Jul 2014

Roles and Responsibilities:

- Improved the product by recommending various user experience enhancements
- With the help of developers, created descriptive analytic solutions for telecom clients
- Analyzed big data inputs from client and generated required reports for senior management
- Collaborated with cross-functional teams to ensure applications are properly tested, configured, and deployed
- Explorative testing to break the code and make the product more robust and stable

System Engineer ▶ IBM GBS, Noida India

Jun 2010-Mar 2013

Roles and Responsibilities:

- Understood the business requirements and functional specifications by interacting with stake holders
- Participated in test planning and test creation and execution to cover all the business requirements
- Collaborated with different teams to successfully complete project migration within service agreement
- Involved in regression testing, functional testing, integration testing and system testing

CERTIFICATIONS

- Certificate Program in Business Analytics from Indian School of Business, Hyderabad
- Advanced Communication Gold – Toastmasters International
- Advanced Leadership Bronze - Toastmasters International
- ISTQB (International Software Testing Qualifications Board) – Level 1

ACHIEVEMENTS

- **Record Holder – India book of Records** for nonstop whistling for 40 minutes
- **Distinguished Toastmaster (DTM)** – highest award in Toastmaster community for Public Speaking(English)
- Toastmasters Club-Appointed as Public Relations Manager, one of the top 5 officers at India level twice
- Organized PR campaigns to spread the word across North India and guided 100+ clubs with their PR activities
- Volunteered & trained employees on soft skills, thus saving company's cost on training
- Appointed as Ambassador for IBM Innovations program India
- Selected as Campus Ambassador for SUN MICROSYSTEMS - formed Sun club, organized seminars and received recommendation letter from the Program Manager for effective work
- Won 2nd prize among 40,000 students in MBD EXAM at STATE LEVEL & received award from the State Governor
- Awarded the Best Student of the School for the year 2004 and have been the School Captain for the year 2003

ACTIVITIES

- At GE - Each one coach one (EOCO) CSR campaign - Assisted 2 students to accomplish their career aspirations
- At GAP - Revamped website for Sona Sarovar Trust to make it better to attract more donations for the trust. Promoted handmade craft created by the Trust kids and helped them sell to generate 10,000+ INR amount
- At Guavus - Organized CSR drives for Vision 2020 NGO and other IT companies
- At IBM - Coordinated for Toybank NGO- successfully organized 2 toy collection drives and distributed 240 toys collected to under privileged children taken care by 7 NGOs working in field of education

OTHER INFORMATION

- Languages known: English (fluent), Hindi (native), French (basic)
- Hobbies: Playing guitar, synthesizer, sketching and cooking