



## MRINAL CHAKRABORTY

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### Seasoned Data-Scientist with Big-Data certification, looking for onsite sales roles in the analytics competency

#### Executive Summary

#### Functional Skills:

- ◆ **Machine learning & Programing:**
  - Logistic Regression, Neural Networks, Support vector machine s , Decision trees & classification and association rules
  - SAS, R, Python and Java
  - Clustering – hierarchical and k-means
- ◆ **Cloudera certification and Hadoop Ecosystem:**
  - Map-Reduce, Sqoop, Pig & Hive
  - R Integration with Hadoop
  - Data munging and ELT for 8GB+ datasets for POCs
- ◆ **Visualisation, Marketing & Web Analytics:**
  - Visualisation with Tableau
  - Sentiment analysis with R
  - Social network analysis with NodeXL
  - Market basket analysis with optimisation
  - Web analytics with R & Google analytics

#### Managerial Skills:

- ◆ **PMP Certified:** Planning, budgeting & performance analytics of program operations
- ◆ Senior-executive advisory
- ◆ Managed delivery of analytics engagements
- ◆ Bid / Proposal coordination

#### BRIEF OVERVIEW:

- ◆ **Focus:** Tech savvy, business-focused next generation analyst in demanding, complex programs where traditional data-mining rules no longer apply. Intend to increase data-driven decision in mature orgs & start-ups to enhance value, drive business goals, control costs and improve efficiencies
- ◆ **Responsibilities:** Convert solution ideas and analytics models into functional constructs that embed within clients' & TCS's analytics portfolio
- ◆ **Consistent career progression:** Demonstrated consistent career growth from a successful Operations Manager in the Finance Domain in ITES Space to a analytics professional; holding rich experience of working with Tier-1 global banks and premier information technology companies of India
- ◆ **ISB Edge:** Analytics program from 'Indian School of Business' <http://goo.gl/ukCxY1> provided deep exposure to break-down complex business problems into simple components of analytics delivery
- ◆ **PMP competency:** Demonstrated application of PRINCE2 and Scrum methodologies in scoping and solutioning of analytics engagements
- ◆ **Ambidextrous:** Strong communication skills and the ability to work on a high demanding situation with multiple projects and work effectively in a geographically multi-location team environment
- ◆ **Thought Leader:** Identify emergent trends and opportunities for future client growth and development with techniques of predictive and prescriptive analytics

## Certifications



**Agile Certified Scrum Master**



**Prince2 Practitioner**



**Advanced Programmer for SAS9**



**Certificate Programme in Business Analytics (2014-15)**

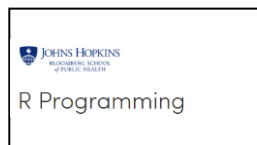


**Machine Learning With Big Data**  
University of California, San Diego

**MOOC for BigData Machine Learning**



**Python Programing-MOOC(Michigan U)**



**R Programming-MOOC(JH U)**



**Certified developer for Apache Hadoop**

## Engagement Details

**Since Dec'10 working with Tata Consultancy Services, Hyderabad**



### Highlights:

#### **As Senior Data-Scientist– Bayer CropSciences & Business Services (from Hyderabad) - Sep '15-Till Date**

- R-iRods Package: The R-Package development which intends to be the interface with iRODS for downstream analytics
- iRODS implementation: iRODS with Hadoop collaboration (In proposal phase)

#### **As Senior Data-Analyst– Equifax Inc. (from Mumbai delivery centre) - Sep '14-Aug '15**

- Worked with the client-side analytics strategic team and executive management team (TCS analytics) on strategic initiatives to set up analytics delivery centre in Mumbai.
- Primarily responsible for putting in place best practices to ensure the most reliable and differentiated information insights offerings are proposed, like – marketing engineering, revenue forecasting modelling, market segmentation and visualisation.

#### **As Senior Data-Analyst – Solutioning and POC Team (from Mumbai) – Apr '14 to Sep '14**

- Driving revenue improve of INR 2 Cr and margin increment +5% across the program
- Create visibility & performance management through analytics into – HR, cost management & revenue forecasting
- Bid management: Conceptualisation of customer requirements and converting them into analytical problem statements
- Supporting the solutions team with proof of concepts in the domain of – visualisations, forecasting and data mining proposals

#### **As Operations Data-Analyst (for TCS – Westpac Banking Corp. Engagement) in Australia – Jan '12 to 25 Mar'14**

- Instrumental in institutionalising processes for operations dashboarding, resulting in – **collection of \$7.2M of outstanding payments**
- Steered delivery of MD&A of operational KPI analytical reporting of - leakage, unbilled revenue and balance-scorecard
- Set-up data collection procedures for better integration of data for – delivery and operations performance analysis
- Designed dashboards for operations KPI monitor - portfolio revenue, portfolio gross margin, billable hours leakage and junior to senior transition benchmark which led to increment of margin by 4% across 6 months

#### **As Analytics Delivery Manager for Citibank, EMEA geography (from Mumbai Delivery Centre) – Dec '10 to Jan '12**

- Customer analysis & data mining: Identifying the key motivating factors of customer behaviour
- Developed predictive and prescriptive models of credit-penetration for electronic technology
- Descriptive models of credit uptake and allied risk management with the application of association rules
- Customer segmentation: Using cluster analysis and rules based segmentation to focus targeting
- Response & profitability models: Linear and logistic regression, neural Networks and decision trees
- Added FTEs to the engagement and raised customer satisfaction from 63% to 94% in a span of 7 months

*Feb'09 to Dec'10 worked with UBS, Hong-Kong & Hyderabad as Senior-Analyst & Transition lead*

**Highlights:**



- Drove transition of APAC region reporting of fixed income business - balance sheet accounts & monthly SBU performance MDA through a team of 7 Associates, across three geographies (EMEA, US & Middle-East)
- Lead the transition of month-end closing from the onsite finance teams to the teams in Hyderabad, India
- Drew the transition blueprint of business planning and analysis process in APAC, UK & Middle-East

*Sep'07 to Feb'09 with Microsoft Global Services India, Hyderabad as Operations-Specialist*

**Highlights:**



- Assisted the leadership team for performance analytics around - product-lines, expenses & customer satisfaction through extensive performance analytics with integration of Business objects 11i
- Enhanced efficiency, accuracy and compliance of processes pertaining to recognition of revenue and booking of expenses to project/non-project heads by modelling various error cases
- Played a key role in instituting the 'Customer satisfaction analysis' modelling
- Streamlined employee expense analysis process by creating automatic VBA modules with self-checks and process-flows

*Mar'06 to Sep'07 with Alliance Consulting India, Hyderabad as Sr. Financial-Analyst*



**Highlights:**

- Served as a:
  - Senior Analyst for transition of 'High Risk' project status analysis (Jan '07 to Apr '07)
  - Project accounting Lead for 'Financial Services' vertical of the business – single point of contact for all GP numbers
  - 'Single Point of Contact (SPOC)' for all Cognos-impromptu report enhancements for the global finance and accounts Team
- Facilitated the concept of 'Employee Care' and created a more conducive & productive working environment while working with HR to drive analytics for understanding employee training requirements.
- Awarded the '**CEO Award**' twice for excellence at process re-engineering and productivity enhancement initiatives

**Preceding Assignments**

*Aug'05 to Feb'06 with Intelligroup Asia Pvt. Ltd., Hyderabad as Financial-Analyst*



*Feb'04 to Aug'05 with GE Energy/GECIS, Hyderabad as Financial-Analyst*



**Education & Credentials**

- **MBA (International Business)** from Badruka institute of foreign trade, Hyderabad, AICTE recognised, under academic and faculty support from Indian institute of foreign trade, New Delhi with 3.5 / 5 CGPA in 2004
- **Bachelor of Computer Applications** from Osmania University, Hyderabad with 77.5% in 2002



**Community Development Work**

- Participated in UBS Open (Golf Championship), while working with UBS Hong-Kong, for making golf as a channel in promoting the cause of physically challenged children in Hong-Kong
- Assisted the Sydney HR Team in 'Maitree' Program for engaging people in fitness program post their work schedule
- Present the TCS induction program for new joiners and apprentice/trainees in Australia

**Personal Dossier**

Date of Birth: 23<sup>rd</sup> November, 1980  
Languages Known: English, Hindi, Bengali, Telegu and German