

RISHI RAGHUVANSHI

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SKILL HIGHLIGHTS

- **Language Skills:** R, R Shiny, Python, SQL
- **Tools:** R Shiny, Anaconda, MS Excel, Power BI, Tableau, Raspberry Pi, Edge Devices, MS Project, MS Access
- **Statistical Skills:** Linear Regression, Logistic Regression, Clustering
- **Machine Learning Skills:** Supervised and Unsupervised Learning, Sentiment Analysis, Web Scrapping
- **Industrial Skills:** 2S, 3S, FMEA, DFMEA, Agile, 6 Sigma Implementation, Project Management., Kaizen
- **Miscellaneous Skills:** Manufacturing Design, IIoT, Technical & Functional Training

ROLES

- | | |
|--|-------------------|
| • Hudson Bay Company – <i>Senior Specialist & Innovation Captain</i> - Bangalore, Karnataka | 11/2018 - Present |
| • Mu-Sigma Business Solutions - <i>Lead</i> - Bangalore, Karnataka | 08/2016 - 10/2018 |
| • Applied Design and Engineering Solutions - <i>Consultant</i> - Faizabad, U.P | 02/2015 - 06/2016 |
| • CreatorBot/Technigriti Systems - <i>Operations & Design Engineer</i> – Bangalore, KA | 09/2014 - 02/2015 |
| • Foster Reeve & Associates Inc. - <i>Production Manager</i> - New York, USA | 11/2013 - 02/2014 |
| • Pleatco LLC – <i>Intern</i> - New York, USA | 02/2013 - 08/2013 |
| • NYU - <i>Operations & Process Improvement Assistant</i> - New York, USA | 08/2011 - 02/2013 |

PROBLEMS SOLVED

- **HR Analytics & Reporting Activities**
 - Spearheading Org level Report and Data delivery automation, spread over multiple data storage system, to enable streamlined report delivery over 6 corporate offices and 300+ stores
 - Driving Data compliance and Quality over 3 database systems and multiple functional units to deliver over 300+ reports and 5+ tableau dashboard
 - Leading Analytics activities for org wide initiatives like Predictive modelling for Attrition Prediction, Employee feedback sentiment Analysis, Stores Performance Driver predictions, HR Chatbot and ticketing support, Location Analytics for driving employee travel satisfaction
 - Leading Reporting at global level for delivery of daily, weekly and monthly reports at CXO level
 - Delivering Tableau dashboard at CFO, CHRO and Chief Merchant Levels over 3 countries and 4 Banners
 - Driving, enabling & educating organization and senior leadership team on making data driven decisions, data quality and data compliance
- **Tableau and Excel based reporting activity for anomaly detection and providing campaign analytics for CPG client**
 - Leading reporting activity for CPG data warehouses using Tableau and advanced excel
 - Created a data analytics architecture by connection SQL Server, R Server and Tableau server for creating an Intelligent Reporting system using anomaly detection and statistical techniques
 - Managing agile project management for CAP platform for CPG client
- **Project Management for Pharma Client to deliver Mix Marketing Models on sales and marketing channels**
 - Solving advanced analytics problems across Marketing Mix for pharma clients and helping them in making better investment decisions and increasing ROI's
 - Managing project timeline and delivery activity for a team of 15-20 members in churning out Mixed modeling and ROI measurement projects with great turnaround time and high accuracy

- **Provided Analytical solutions for leadership team for organization level decisions**
 - Solved problems pertaining to organization management for mu- sigma founder's office
 - Worked on analytical solution for predicting yearly and quarterly attrition based on historical data
 - Provided analytical solution for promotions management, attendance and productivity management
 - Created Rshiny based dashboard to provide UI based data visualization for revenue and operations level data for full organization
- **Automation support for scrum logging and report generation for org level client fulfillment team through web scrapping**
 - Worked on solving problem for tracking daily deliverables and tracking errors and quality at different levels
 - Created Email based UI to log daily deliverable activities, supported by backend web scrapping algorithm and database logging
 - Created Daily, Weekly, Monthly reports at various levels to provide quality standards, deliverable quantity and quality
- **Handled the business intelligence dashboard of a multinational technology company**
 - Converted the HTML dashboard contains various sales metrics and KPIs to Power BI dashboard
 - Helped the stake holders to rationalize the metrics and increased the usability of the dashboard
 - Provided backend activity support for SQL Server and SSIS, SSAS activities connecting Power BI dashboard
- **Created predictive maintenance demos as a member of research & development team**
 - Created Prototype for experimenting predictive maintenance for Mu Sigma Lab
 - Designed backend architecture, 3D engine model and created algorithms to record various levels of predictive data collection using sensors embedded on the model
 - Created an agent based real time data collection algorithm to collect the data from live engine model
 - Created a dashboard-based heads up display to monitor sensory data converted to human readable visualizations.
- **Created IIoT infrastructure for airline industry to solve wait time issues with video analytics**
 - Providing video analytics solution to run real time tagging on staff, passengers, luggage
 - Deployed hardware prototype remotely consisting of remotely control video recording and motors
 - Automated daily report generation post data collection using markdown
- **Provided solution for sugar mills and power plants for efficiency and power management with efficient hardware designs**
 - Provided Solution for improving Turbine head and reducing motor power
 - Created sensory setup to collect load data during real operations and modelling using simulation software's
 - Created end to end design with manufacturing design with design curves
 - Reduced Power output by improving design by 30%
- **Implemented 2S, 3S to workshop floor, under ZED program, a make in India initiative.**
 - Ran end to end implementation 2S compliance at manufacturing facility
 - Providing consultation for factory process automation process
 - Provided solution for end to end BI dashboard of factory operations and ROI tracking

EDUCATION

MASTER OF SCIENCE: Mechanical Engineering-(3.24/4) 82.4%
New York University, New York City, NY

May 2013

- Coursework in Finite Element Method, Mechatronics, Advanced Dynamics and Robotics.
- Receipt of Merit Level Scholarship
- Selected for Poly Innovation Society

BACHELOR OF TECHNOLOGY: Mechanical Engineering-(7.14/10) 71.4%
SASTRA University, Thanjavur, Tamil Nadu

May 2011

- Graduated with overall distinction