

Rishabh Mulani

Six Sigma Green Belt



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github.com/rishabhmulani

Programming

0 LOC —————> 10000 LOC

Python • R

C • C++ • Java

SQL • HTML • C# • ASP.Net

Android

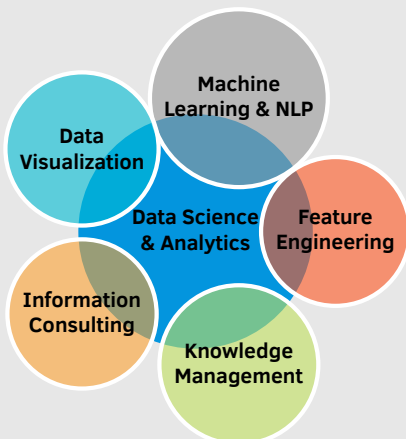
Certifications

Six Sigma Green Belt - Certified by the Indian Statistical Institute, Kolkata- License ISI/SSGB-27/2014/MUM, July 2014 - July 2019

PMI-CAPM - Certified Associate in Project Management - PMI - License 1660923, Sept 2013-Sept 2018

Database Design and Programming with SQL - Certified by Oracle Academy, May 2008

Other Skills



Education

- Dec. 2018 **Master of Science in Information Management**
University of Illinois (Urbana-Champaign), USA, GPA: 3.90
- Aug. 2014 **Master of Business Administration in Technology Management**
MBA+ B.Tech. Integrated Dual Degree Program
NMIMS University (Mumbai), India
Majors: Operations & Finance, GPA: 3.14
- Aug. 2014 **Bachelor of Technology in Computer Engineering**
MBA+ B.Tech. Integrated Dual Degree Program, GPA: 3.14
NMIMS University (Mumbai), India

Experience

- Jan 2018- Present **Data Sciences Analyst- John Deere**
- Identified actionable improvements in the manufacturing process and design of tractors, crawler-dozers and ag-machines using hypothesis testing and predictive modeling
 - Used machine learning & feature engineering to build statistical models and predict engine performance outcomes using daily data from a deployed fleet of more than 10,000 machines amounting to 560 billion rows (14 TB) of a database
 - Worked with the robotics team on the autonomous lawn mower (Tango) project. Used computer vision and data visualization using data from GPS and laser sensors to make the Tango identify its own location
- Jan 2018- May 2018 **Project Manager- Business Intelligence Group, UIUC**
- Consulted a Fortune 500 company, evaluated and provided recommendations to improve their intranet portal
 - Led the team to help optimize usability of the client's intranet portal, capture the client's rich heritage and develop an intranet governance framework
 - Used NLP to understand employees' sentiments from a survey that our project team deployed, and presented findings and core improvement ideas from the employees of the organization
- Jun 2017- Aug 2017 **Innovation Engineer, Team Lead- Contera.in**
- Developed next gen. low cost, high reliability home automation, IoT enabled devices
 - Developed an Android app and worked with Raspberry Pi, Arduino, Keil uVision to implement wireless command and data transmission
- Jun 2014- Jun 2017 **Deputy Manager, Business Development- Siemens Financial Services**
- Developed the leasing portfolio pan India while driving projects that leveraged the use of technology to boost business results
 - Grew business by 200% for region south - achieved a business volume of US\$ 2.03 Million FY 16-17
 - Achieved a business volume of US\$8.4 Million in FY 2015-16, exceeded target by 130%
 - Achieved a business volume of US\$3.9 Million in FY 2014-15, exceeded target by 140%
- May, 2013- Sep 2013 **Intern- Vendor Management- Siemens Financial Services**
- Learned the nuances of equipment finance and implemented process optimization initiatives using Six Sigma, reduced TAT by 7 days
 - Analyzed the Indian Machine Tool Industry, financing processes

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Projects, Research & Publications

- 2018 **Visualizing the Urbana Arrests Dataset**
IS590DV: Data Visualization, Project URL: rishabhmulani.github.io
Used the Urbana Arrests dataset with 200K rows and 26 columns to create meaningful interactive visualizations (using plotly, bqplot, seaborn and matplotlib) to tell a story using our analysis and insights
- 2018 **Research Paper on "Data Analytics in Agriculture"**
IS590BAO: Business Analytics
Topics covered: Data Analytics and Agricultural Equipment Design, Agricultural Big Data (AgBD), Modern Farming: IoT and Farming Drones, the potential of Big Data and Data Analytics in Agriculture
- 2017 **Predicting the value of Bitcoin**
IS590PR: Programming for Analytics and Data Processing
Developed a model based on Geometric Brownian Motion using drift and shock to predict bitcoin movement over the next year
- 2017 **Research project on evaluating thought leadership effectiveness of US based insurance consulting firms and solution providers**
IS538CKO: Competitive Intelligence and Knowledge Management
Researched and analyzed thought leadership publications by 2 big consulting firms in the insurance space and one solution provider, and provided insights and recommendations to the client
- 2015 **SFS OneClick Mobile App** Siemens Financial Services Pvt. Ltd.
Developed the first of its kind mobile application for Siemens Financial Services Globally built to enhance sales force effectiveness and promote ready availability of important tools and information
- 2012 **Research Paper on "Acquiring an Agile Mindset for Agile Leadership in Indian Organizations"** Project Management Institute
Won 2nd place for creating and presenting this paper at a National Level paper presentation competition- Envision
- 2012 **Research Paper-"To study the impact of billing automation using RFID on profitability for Indian Supermarts"** NMIMS University
Conducted primary surveys and analyzed data using SPSS, showcased the positive impact RFID implementation could have using linear regression and descriptive statistics

Accolades & Leadership

- 2018 **President- Special Libraries Association, UIUC Student Chapter**
- 2017 **Co-chairperson- Corporate Division, Special Libraries Association, UIUC Student Chapter**
- 2015 **Winner-Exemplary Award for Excellence in handling & developing the leasing portfolio** Siemens Financial Services Pvt. Ltd.
- 2015 **Featured in the Siemens India Customer First Bulletin for "Leveraging Technology to Boost Customer Centricity"**
- 2011-12 **Secretary-Technical department, Computer Society of India**
- 2011 **Event Head- "Virtual Voyage- The Digital Treasure Hunt", held under Ambiora 2011, a technical fest at NMIMS University**
- 2011 **Editorial Head- "S-Plan- A national level social plan competition"**
- 2009 **Winner- First Place -Code On '09, NMIMS University**