**Harsh Misra**hmisra2@uic.edu | 1114 W Taylor Street, Chicago IL 60607 | www.linkedin.com/in/harsh-misra | (224) 619 7851

* MIS graduate student with experienced in Data Analytics and Front-End Development; expertise in Quantitative Analysis and Statistics
* Working as a Graduate Assistant at the University of Illinois in the field of data visualization and predictive modelling
* Experienced in Financial and Healthcare domain; team player with excellent communication and project management skills

**Technical Skills:**

**BI/Visualization:** Tableau (Desktop and Server), R Studio **Database:** MySQL, MS SQL, Oracle Database, SAP HANA

**Analytical Tools:** R, Microsoft Excel, Google Analytics, Python **Statistics/Machine Learning:** Logistic Regression, Vector space Modelling

**Programming/Scripting:** SQL, PL/SQL, C, JavaScript, Java, HTML **Statistical Packages:** NumPy, Ggplot2, wordcloud, plyr, dplyr, TwitterR

**Frameworks:** Angular JS, Bootstrap **Operating Systems:** Windows, OSX,

**Education:**

* **University of Illinois at Chicago (UIC),** Master of Science in Management Information Systems, GPA 4.0 **December 2019**
* **Jaypee Institute of Information Technology,** Bachelor of Engineering in Information Technology, GPA 3.5 **June 2015**

# Professional Experience:

**Business/Finance Data Analyst, Pactiv Corporation, USA May 2019 – July 2019**

**Project: Tier Room KPIs and Audit Process Automation for Manufacturing Plants || R studio, Tableau, Automation Anywhere and Microsoft Excel**

* Developed and published dashboards on tableau server for visualizing Tier Room KPIs such as CaseFill, Schedule compliance and 15 others for 40 different manufacturing plants at Pactiv across North America
* Provided operational insight by working cross-functionally with the operations and supply chain teams for extracting, loading and processing data using HANA and SQL servers.
* Created a robotic process for automating the invoice and BOL generation process for auditing using RPA, reducing process time by 40-45%

**Strategy Analyst Intern, Social Media Marketing Strategy for Loretto Hospital, USA February 2018 - June 2018**

**Project: Social Media Analysis of Chicago Area Hospital || R studio, Tableau and Microsoft Excel**

* Scrapped, processed and analyzed social media data of top 10 Chicago area hospitals using R studio and Tableau
* Developed digital reports based on the usage of social media handles and implemented regression and vector scale model to analyze the trends for hospital’s Social media marketing using various analysis metrics
* Worked with Loretto hospital and provided operational insights to enhance its social media strategy, based on the results obtained by analyzing and interpreting the data sets

**Programmer Analyst, Cognizant Technology Solutions, India (Client: Xerox Healthcare) January 2016 - December 2017**

# Project: Life@Work HealthCare for Xerox healthcare || Google Analytics, Power BI, Angular JS, Bootstrap, JIRA and SQL

* Developed, enhanced and maintained healthcare modules using Angular JS and Java for Clients such as Ford, Michelin and Verizon for managing DB, DC and HW data for its employees. Estimated task in Story and then tracked those tasks using hours in JIRA
* Automated the process of data replacement on the website for each enrollment period; resulting in reduction of manual processing by 20%
* Developed workflows using SharePoint InfoPath for early completion and notification of QA and PROD fixes, reducing time delays by 7-8%

**Business Analyst Intern, Genpact Headstrong Capital Markets, India June 2014 – August 2014**

# Project: Batch Factory – Invoice Management for CVS Caremark|| RAD, XML, Java and Project Management

* Involved in the documentation, prototyping, testing and optimization of Caremark invoice application system
* Implemented automated prototypes for record management using agile methodologies which increased automation by approximately 10%

# Academic Projects:

**Marketing Strategy and Channel Mix for Gestalt D (Tableau, Excel, Customer Segmentation and Catalogue Comparison) January 2019 – March 2019**

* Analyzed the volume and content on social media by competitors and recommended strategies, which increased engagement rate by 50%
* Implemented strategies to understand the channel mix and improve the value proposition of Online Stores in designer industry

**Product pricing Analysis (R studio, Tableau, SAS, MS Excel, PCA) January 2019 – April 2019**

* Scrapped and Extracted information from a UK based E commerce website for statistical analysis of the product prices and its specifications
* Developed hypothesis for brand value and performed linear and logistic regression on product data, used PCA for factor analysis

**Network and Security Data breach in Financial Sector (Tableau, MS Excel) October 2018 – December 2018**

* Cleaned and analyzed data for the types of security breaches in the financial sector and created dashboards for digital reporting
* Removed discrepancies and forecasted the trend for breaches in subsequent years using maps and forecasting features in Tableau

**Visualizing on-Time Performance of Delta Airlines using Tableau (Tableau, Business Statistics, Advance MS Excel) February 2018 – May 2018**

* Utilized Bureau of Transportation Statistics airline data set to prepare delay metrics that describe Delta Airlines On-time Performance
* Implemented Stories, Interactive Dashboards, Route Maps, LOD Expression for competitive analysis and operational insights
* Created network maps and recommended profitable routes for Delta Airlines for its business expansion and opportunity identification

**Course Evaluation for Udemy (Advance Statistics, R and Regression Modelling) March 2018 – May 2018**

* Extracted, cleaned and transformed the unstructured course data to structured data, enabling a wider understanding of customer reviews on price of a course at Udemy
* Performed univariate/bivariate analysis, Hypothesis testing and Linear Regression to obtain segmented results for each course category