

## SHREYASKUMAR KATHIRIYA

### EDUCATION:

New York University Tandon School of Engineering, New York, USA.	(Aug 2018 - May 2020)
Master of Science in Management of Technology. (GPA:3.4)	
NMIMS Narsee Monjee Institute of Technology, Mumbai, India.	(Jan 2013 - May 2017)
Bachelor of Technology in Electronics and Telecommunication. (GPA:3.1)	

### SKILLS:

<b>Data Science scripting:</b>	Python, R, SAS.
<b>Databases:</b>	MySQL, NoSQL, T-SQL, Hive, Google Big Query.
<b>Application Software:</b>	Tableau, PowerBI, Alteryx, OBI, QlikView, Weka, Visio, Google Analytics, Knime.
<b>Cloud Platforms:</b>	AWS EC2, S3, Redshift, QuickSight, Rekognition, DynamoDB.
<b>Management Tools:</b>	Advance Excel and Power Point, JIRA, Confluence, Airtable, Salesforce, Google Suite, Github.

### WORK EXPERIENCE:

<b>Business Analyst, New York University IT Operations Technology Services Support.</b>	(Jan 2019 – Current)
<ul style="list-style-type: none"><li>Assisted with the software development lifecycle, from gathering client requirements to training users, testing and documenting newly deployed features and systems.</li><li>Triage, process, implement client data change requests as they are submitted.</li><li>Partner with cross-functional teams like UX, backend team to clarify requirements and trouble shoot issues.</li><li>Shipping sustainable solutions addressing complex organizational needs with Agile.</li><li>Integration and System Testing using test case management, workflow management using JIRA and Confluence.</li><li>Performed SQL Database Analysis and validation testing to check accuracy of the 13 million square feet of space data.</li><li>Developed Tableau reports for clients to see the status of their space availability with their changes requests.</li></ul>	
<b>Business Intelligence Analyst, NYC Department of Sanitation, Bureau of Recycling and Sustainability.</b>	(May 2019 – Aug 2019)
<ul style="list-style-type: none"><li>Replaced traditional data processing with ETL pipeline to expedite the process by 95%.</li><li>Modeled on power BI using DAX and Power query for dynamic dashboards with performance metrics and important KPIs.</li><li>Built process flow charts and deliverables timeline analysis to improve the efficiency of the projects.</li><li>Designed schema and built a database for sub departments with Microsoft Access and SQL Server.</li><li>Created Data governance guidelines to ensure quality data collection and reduce data pre-processing time by 70%.</li><li>Organized and conducted self initiated SQL and Power BI bootcamp with 56 attendants (93% of non-tech teams).</li><li>Built an Image Classifier to recognize the category of waste from the object images provided with 78% accuracy.</li></ul>	
<b>EndNote Software Citation Assistant, New York University Dentistry.</b>	(Dec 2018 – Feb 2019)
<ul style="list-style-type: none"><li>Scrapped data from google scholar using python to build and maintain a library for citation on endnote.</li><li>Rectified and formatted research journals and used EndNote to manage citation with international publication standards.</li></ul>	
<b>Data Analyst/ Insights Specialist, Alliance Fiber Ltd, Surat, India.</b>	(May 2017 – Dec 2017)
<ul style="list-style-type: none"><li>Analyzed sales for monthly Tableau reports, proposed strategies resulted in 14% yearly growth and 27% drop in inventory.</li><li>Strategized several marketing campaign using Data Mining principles with 17% increase in prospect conversion rate.</li><li>Processed live sensor data from processing plant to look for delays between processes, expedite the process by ~22%.</li><li>Conducted Regression Analysis and other forecasting methods to predict the required production rate with 92% accuracy.</li></ul>	

### ACADEMIC AND PERSONAL PROJECTS: Weekly Data Science Posts at [shrevash1811.github.io](https://shrevash1811.github.io)

<b>User Personalized Recommendation System for Amazon by making use of reviews. (Python)</b>	(Sep 2019)
<ul style="list-style-type: none"><li>Developed a system with sentimental analysis and text mining on user reviews to extract user personal preferences.</li><li>Created tag words for products using product reviews and personalized tag words for each user from their reviews.</li><li>Matched user with the products that had the perfect tag words match using k mean clustering and KNN models.</li></ul>	
<b>Predicted prospect students and proposed strategy using Funnel Analysis and Persona Building. (R)</b>	(Sep 2019)
<ul style="list-style-type: none"><li>Data cleaning using statistical imputation methods, and feature engineering principles. Performed Data Anomaly detection to maintain quality of the data. Rectified unbalanced data using sampling methods.</li><li>Performed Funnel analysis and Persona building to improve convergence rate and target fit prospects with 92%.</li><li>Created Machine Learning models to predict student's yearly performance beforehand with 94% accuracy.</li></ul>	
<b>Predicting news popularity of an articles from internet article trends. (Python)</b>	(Mar 2019 – Apr 2019)
<ul style="list-style-type: none"><li>Scrapped article data from Mashable.com, and converted into 60 features using LDA, NLP and sentimental analysis.</li><li>Predicted if an article will be popular with 73% accuracy before publishing it using various ML models and techniques.</li></ul>	
<b>Stock Market Forecasting (Python: Numpy, Pandas, Matplotlib, Scipy, Seaborn and beautiful soap)</b>	(Jan 2019)
<ul style="list-style-type: none"><li>Scrapped data from Yahoo finance for top Tech-Companies.</li><li>Analyzed Value at Risk and portfolio loss using "Monte Carlo method" and "bootstrap" method with 95% confidence interval. Calculated their ROI, MA and daily return correlation, projected future stock price with 1000 simulations.</li><li>Used fbprophet and forecasted s&amp;p 500 with 0.35% error rate.</li></ul>	
<b>Descriptive and Predictive Analysis of Business Case Studies. (R: Ggplot2, tidyr, stringr, dplyr)</b>	(Aug 2019 – Oct 2019)
<ul style="list-style-type: none"><li>Data preprocessing and breaking down the insights into actionable business strategies with achievable future projections.</li></ul>	

### TECHNICAL COURSES:

- [IASSC accredited LEAN SIX SIGMA green belt training. \(e-careers\)](#); Industry learning of LEAN SIX SIGMA & application.
- Datamining for Business Analytics, Statistics for Business Analytics, Business Analytics with R, Project Management, Data Engineering and Data Visualization. Other online courses at [www.linkedin.com/in/shreyaskumar-NYU](https://www.linkedin.com/in/shreyaskumar-NYU)