Email: sjk714@nyu.edu || **LinkedIn:** www.linkedin.com/in/shreyaskumar-NYU || **GitHub:** Shreyash1811
Tableau-Public : Tableau-Public || **Portfolio website:** shreyash1811.github.io

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:

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

WORK EXPERIENCE:

Business Analyst, New York University IT Operations Technology Services Support. **(Jan 2019 – Current)**
- Assisted with the software development lifecycle, from gathering client requirements to training users, testing and documenting newly deployed features and systems. Shipping sustainable solutions addressing complex organizational needs.
- Integration and System Testing and maintain them using test case management tools like JIRA and Confluence.
- Performed SQL Database Analysis and validation testing to check accuracy of the 13 million square feet of space data.
- Developed Tableau reports for clients to see the status of their space availability with recent changes.

Business Intelligence Analyst, NYC Department of Sanitation, Bureau of Recycling and Sustainability. **(May 2019 – Aug 2019)**
- Replaced traditional data processing with ETL pipeline to expedite the process by 95%.
- Modeled on power BI using DAX and Power query for dynamic dashboards with performance metrics and important KPIs.
- Built process flow charts and deliverables timeline analysis to improve the efficiency of the projects.
- Designed schema and built a database for sub departments with Microsoft Access and SQL Server.
- Created Data governance guidelines to ensure quality data collection and reduce data pre-processing time by 70%.
- Built an Image Classifier to recognize the category of waste from the object images provided with 78% accuracy.

EndNote Software Citation Assistant, New York University Dentistry. **(Dec 2018 – Feb 2019)**
- Scrapped data from google scholar using python to build and maintain a library for citation on endnote.
- Rectified and formatted research journals and used EndNote to manage citation with international publication standards.

Data Analyst/ Insights Specialist, Alliance Fiber Ltd, Surat, India. **(May 2017 – Dec 2017)**
- Analyzed sales for monthly Tableau reports. Proposed strategies resulted in 14% yearly growth and 27% drop in inventory.
- Processed live sensor data from processing plant to look for delays between processes, expedite the process by ~22%.
- Conducted Regression Analysis and other forecasting methods to predict the required production rate with 92% accuracy.

ACADEMIC AND PERSONAL PROJECTS:

User Personalized Recommendation System for Amazon by making use of reviews. (Python) **(Sep 2019)**
- Developed a system with sentimental analysis and text mining on user reviews to extract user personal preferences.
- Created tag words for products using product reviews and personalized tag words for each user from their reviews.
- Matched user with the products that had the perfect tag words match using k mean clustering and KNN models.

Predicted prospect students and proposed strategy using Funnel Analysis and Persona Building. (R) **(Sep 2019)**
- 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.
- Performed Funnel analysis and Persona building to improve convergence rate and target fit prospects with 92%.
- Created Machine Learning models to predict student's yearly performance beforehand with 94% accuracy.

Predicting news popularity of an articles from internet article trends. (Python) **(Mar 2019 – Apr 2019)**
- Scrapped article data from Mashable.com, and converted into 60 features using LDA, NLP and sentimental analysis.
- Predicted if an article will be popular with 73% accuracy before publishing it using various ML models and techniques.

Tech Companies Market Analysis (Python: *Numpy, Pandas, Matplotlib, Scipy, Seaborn and beautiful soap***)** **(Jan 2019)**
- Scrapped data from Yahoo finance for top Tech-Companies.
- 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.

Descriptive and Predictive Analysis of Business Case Studies. (R: *Ggplot2, tidyr, stringr, dplyr***)** **(Aug 2019 – Oct 2019)**
- Data preprocessing and breaking down the insights into actionable business strategies with achievable future projections.

TECHNICAL COURSES:

- IASSC accredited LEAN SIX SIGMA green belt training. (e-careers); Industry learning of LEAN SIX SIGMA & application.
- Getting Started with AWS Machine Learning. (Coursera); Key topics include: Machine Learning, Computer Vision, and Natural Language Processing (NLP) on AWS.
- 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