

SUMMARY

- Data Science Analyst having engineering background with 1+ year of work experience in executing end-to-end analytics projects. Pro-active and a quick learner having excellent communication and leadership skills.
- Believes in the process of continuous learning. Looking for a challenging role where he can push his limits and gain expertise while contributing his best to the organization.
- [LinkedIn Profile Link](#) | [GitHub Profile Link](#) | [Tableau Public Profile Link](#) | [Kaggle Profile Link](#)

KEY SKILLS

- **Languages:** Python (*Scikit-Learn, NumPy, Pandas, Matplotlib, Seaborn, SciPy*)
- **Databases:** MySQL, Presto, Snowflake, Treasure Data
- **Statistics:** Hypothesis Formulation and Testing, Descriptive Analysis and Data Exploration
- **Machine Learning:** Linear and Logistic Regression, Classification, Bagging, Boosting, Clustering, PCA, NLP
- **Business Intelligence Tool:** Tableau, Qlik Sense (*Data Visualization – Dashboards, Storyboards*)
- **Microsoft Excel and PowerPoint**

PROFESSIONAL SUMMARY

Analyst – Data Science, TheMathCompany Pvt Ltd

December 2020 – Till Date

Working for Stellantis (one of the largest automakers worldwide), helping them take better decisions by making use of the available data along with the 3rd-party data evaluation.

- **Project 1:** Generating a list of target customers on a daily cadence, based on their visits to the competitor dealerships, using the 3rd-party geo-location data, to reduce the defection rates. Automated the entire process.
- **Project 2:** Analyzed the continuous stream of cars' sensors data and automated the creation of the useful features, being refreshed on a daily basis, which can be used in the new use-cases, or help enrich the already existing ones.
- **Project 3:** Analyzing the Customer Survey Data, to check whether the Promotor Score is correlated with the purchase and service behaviors of the customers.
- **Project 4:** Creation of the dashboards on the Qlik Sense application for different customer profiles.
- **Org Level Activities:**
 - Working directly with one of the Co-Founders to develop "Frameworks and Standards for Delivery".
 - Part of the Campus Interview Technical Round 1 Panel – Helping the organization hire better talent.
 - Core member of the Cross Learning Initiative - Facilitating knowledge share among different work-streams.
 - Designing the on-boarding process for the new joiners in the account and mentoring them.
 - Creating content for the EYH sessions and co-reviewing some of the articles that get published publicly.
- **Achievements:** Bagged the Appreciation Award twice just within 9 months.

Associate, RGF Select India Pvt Ltd, Gurgaon

December 2018 – January 2020

Worked as a recruitment consultant providing hiring solutions to various reputed organizations like Adani, Cremica, MasterCard, Shell, SoftBank across different domains (Renewable Energy, Analytics, Finance, FMCG, Oil & Power).

- Interacting with HRs and providing high-quality candidate profiles via sourcing and referencing.
- Managing the whole interview process and the closing stages between the candidate and the client.

SAURABH TAYAL

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Fully Vaccinated (COVAXIN)

Achievements: Star of September-2019 for generating the highest revenue pan India. Generated 20+ Lakhs of revenue by closing 10+ positions within a year and created a subsequent pipeline.

ACADEMIC PROJECTS

1. Diabetic Patients' Readmission Prediction (Capstone Project)

- Identified the factors leading to high readmission rate of diabetic patients within 30 days of discharge.
- Built the model to predict the readmission of patients and deployed it using Flask on Heroku (PaaS).
- Provided business recommendations to decrease the readmission rates based on the findings.

Key Skills: Python, EDA, Tableau, Statistics, Class Imbalance (imblearn), Logistic Regression, Decision Tree, Random Forest, LightGBM, XGBoost, Hyperparameter Tuning, ROC AUC, Model Interpretation (LIME, SHAP).

2. Twitter Sentiment Analysis (NLP)

- Predicted the sentiments from thousands of Twitter tweets.
- Performed EDA, plotted Word Cloud, removed stop-words & punctuations, performed tokenization.
- Trained and assessed classification models like Naïve Bayes, Logistic Regression using Scikit-Learn.

Key Skills: Natural Language Processing, Python, Exploratory Data Analysis, Word Cloud, Tokenization, Count Vectorizer, TF-IDF, Classification, Naïve Bayes, Logistic Regression, Confusion Matrix, Classification Report.

HACKATHONS & OTHER CERTIFICATIONS

- Used Cars Price Prediction (An In-Class Hackathon Hosted by Great Learning) - Top 3
- Walmart Sales Prediction (An In-Class Competition Hosted on Kaggle) - Top 10
- Assessment Test for Advanced Machine Learning (Cutshort)
- NLP: Twitter Sentiment Analysis (Coursera)
- The Business Intelligence Analyst Course 2020 (Udemy)

EDUCATION

Course	Institution	Year	Remarks
Post-Graduation Program (Data Science and Engineering)	Great Lakes Executive Learning (Great Learning)	2020	Excellent (Top 10%)
Bachelor of Technology (Power Engineering)	National Power Training Institute, Delhi (Guru Gobind Singh Indraprastha University)	2018	77.23%
12 th Std (CBSE) Science (Non-Medical)	S. M. Arya Public School, Punjabi Bagh, New Delhi - 110026	2014	90.20%
10 th Std (CBSE) (English Medium)	Govt. Boys Sr. Sec. School No. 2, Shakurpur, Delhi - 110034	2012	10 CGPA

ACHIEVEMENTS, ACTIVITIES & INTERESTS

- Achieved INDIRA AWARD (GOVT. OF NCT OF DELHI) for securing the first position at Zonal level for SSE 2012 (CBSE).
- Appointed as the President of the Cultural Society – NPTI. Convened the Annual Cultural Festival of the college.
- Hosted a 2-days MATLAB Course as the General Secretary of IEEE (Delhi Section) NPTI Student Branch.
- Worked as a volunteer and played an important role in the expansion of the Leaders for Tomorrow (A not-for-profit youth leadership movement for social action) unit in college by organizing various awareness programs.

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- Capstone Project Lead and Single Point of Contact for the Mentor. (Post-Graduate Program in Data Science)
- **Interests:** Anime, F1, Playing Keyboard, Photography, Travel, Reading.