John Doe

+91 90152 64481 keytodatascience@gmail.com
LinkedIn

Professional Summary

- 1.5 years of professional experience in diverse facets of Intellectual Property industry and Data Analysis.
- Involved in all phases of data mining which involved data cleaning, data modelling and result interpretation.
- Worked on projects related to creation, management and monetization of intellectual property assets, chiefly patents.
- Business Intelligence (Market analysis: Growth, Trends and Forecast, Company profiling and IP categorization based on concerned domain related technology with the objective of helping clients take better business/IPR decisions)
- Strong understanding of mathematical foundations behind Regression & Classification Machine Learning algorithms namely linear regression, logistic regression, decision trees, random forest, k-nearest neighbours, etc.
- Client Communication to understand their search needs and draft informative reports that detail and summarize search results.

Technical Skills

Programming Languages	Python3, SQL, Excel, SAS, Django, R
Libraries	Pandas, Scikit-Learn, Matplotlib, ggplot, NumPy
Tools	Tableau, Jupyter, Microsoft Office Tools (MS Word, MS Excel, MS Power Point), Questel Orbit, SQL Server

Work Experience

❖ Working as **Research Analyst** with **XYZ Firm** (Bangalore) since **July 2020.**

Work Projects

1. Business Intelligence

Technologies: Python, MS PowerPoint, Questel Orbit

Profile: Conducting Market Research, Company profiling and Predictive Analysis on market trends in specific technology. Analysis is mainly conducted on large data set of patent based on concerned domain related technology with the objective of helping clients take better business/IPR decisions.

Responsibility:

- Market analysis: Growth, Trends and Forecast using machine learning algorithms (Linear regression). End-to-end model create and sharing monthly evaluation reports.
- In-depth data analysis and develop insights.
- Giving Demonstrations to the client.

2. Patent Analysis and Classification

Technologies: Questel Orbit, Python, Advance MS Word and MS Excel

Profile: The projects are related to searching and analyzing big data sets of patents and providing technical expertise and generating insights out of it. Perform patent analysis, product analysis and conduct studies as needed to support business decisions related to patent strategy, licensing, portfolio management and others.

Responsibility:

- Interacting with clients to provide due diligence studies on prior-art searching projects.
- Examine the technical aspect, feasibility and perform gap analysis.

Other Projects

1. Banking Behavioral Scorecard for Self-Employed Customers (Hackathon)

Technologies: Python, Machine Learning

Objective: The objective was to build a banking behaviour scorecard model for customers through a user's liability account and predict the credit risk. Customer risk profile means the probability of the customer defaulting on EMI. The predictive model learns from by utilizing a customer's historical data together with peer group data and other features to predict the probability of that customer displaying a defined behavior in future.

Approach:

- EDA, feature selection, handling imbalanced data
- Used logistic regression, random forest and xgBoost algorithms for modeling
- Stood in top 50 out of over 6500 participants.

2. Customer Analytics – Propensity to Buy (E-Commerce)

Technologies: Python, ML classification algorithms

Objective: Build propensity to buy model by analyzing the online browsing dataset. Use web clicks data of links clicked by the user while browsing to predict his propensity to buy the product. Create model on these user characteristics and conversion probability of user. Use this probability to provide user incentive to buy product.

Approach:

- Analyze the browsing data set, EDA and feature engineering
- Trained multiple classification models and choose the best performing model
- Evaluated the model using auc and gain & lift charts.

Relevant Coursework

- **Machine Learning (Stanford University)**: Completed 3 months course organized by Coursera and Stanford.
- Completed KeytoDataScience 4 months Applied Data Science course.
- Actively participating in Challenges/Hackathons being organized on websites like HackerEarth/TechGig.

Scholastics

Class/Degree	School/College	Board/Branch	Session	Score
B.Tech	ABC University, Delhi	Electronics & Communication	2016 – 2020	7.81
12^{th}	DEF Public School, Delhi	CBSE	2016	79%
10^{th}	DEF Public School, Delhi	CBSE	2014	9.2