

RISHABH JAIN

DATA SCIENTIST

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Location: New Delhi

SUMMARY

3+ years experienced ML Engineer with proven success in building successful algorithms & predictive models for different industries. Highly adept at clustering & classification, web scraping, data analysis & visualization to increase business efficiency. Passionate engineer & thriving analyst with the ability to apply ML techniques & algorithm development to solve real-world business problems.

KEY SKILLS

- Data Visualization
- Predictive Analysis
- Statistical Modelling
- Training & Mentoring
- Classification
- Data Mining
- Feature Engineering
- ML Algorithms
- Model Development
- Python
- SQL

PROFESSIONAL EXPERIENCE

TATA CONSULTANCY SERVICES

System Engineer

📅 April' 2018- present

Predictive Modelling & Algorithm Development

- Developed an algorithm to predict the email intent based on their subject and body with 85% accuracy
- Made AI powered financial automation tool to manage financial data in balance sheets
- Made smart study builder to find the relationship between different entities based on their medical protocols
- Devised high-performance KYC chatbot to help customer to complete their KYC form
- Worked on different algorithms like Naïve bayes, decision trees, KNN, Logistic regression

Data Mining & Data Visualization

- Data Mining algorithm to extract financial data in balance sheet and income sheets based in assets and liability
- Worked on different dimensional reduction techniques like PCA and t-SNE to visualize high dimensional data
- Worked on different data visualization tools to analyse the data

PROJECTS

Email Intent Classification

📅 June' 2020- present

Saved human effort to classify the email queries based on their intent:

- Automate process to save support team and Service Now team's human effort
- Eliminate major data discrepancy
- Implemented Naïve bayes model for text classification
- Achieve 85% accuracy in classification of tickets

Financial Spreading Automation

📅 Oct' 2019 – May' 2020

AI-powered automation frameworks help reduce manual intervention, improve accuracy:

- Automate process to classify financial statements like balance sheets and income statements
- Achieve greater business agility
- Involve data mining and classification algorithms
- Achieved 90% success rate

TECHNICAL SKILLS

- Packages: Scikit-Learn, NumPy, SciPy, Pandas, NLTK, Beautiful Soup, Matplotlib, Jupyter Notebook, spacy
- Statistics/Machine Learning: Statistical Analysis, Linear/Logistic Regression, Data Visualization

CERTIFICATIONS

- Programming and data structure Certification-IIT Madras

PROJECTS

KYC Chatbot

📅 May' 2019- Oct' 2019

Saved human effort to filling the KYC form by answering customer queries using chatbot:

- Automate process to ease the KYC process
- Use various data mining techniques to extract KYC data for different countries from pdf and docx
- Implemented cosine similarity and LDA topic modelling to find the relevant information required to filling KYC form based on user query
- Reduced KYC form filling time considerably

Smart Study Builder

📅 Aug' 2018- April' 2019

Saved human effort to find the appropriate details of drugs based on their composition present in their respective medical protocols:

- Worked with product team and medical team to identify which entities are more important in establishing a relationship between SAP and protocols
- Data mining to extract medical data from different protocols and SAP
- Implemented Custom Named Entity recognition model to find appropriate entities in medical data

EDUCATION

B. Tech- Computer Science and Engineering

KIET Group of Institutions

Ghaziabad

August' 2013 – May' 2017

12th Science

Agra Public School

Agra

May' 2011- March' 2012