Rishab

Data Scientist

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CAREER OBJECTIVE

To join an organization to enhance my skills and knowledge and work for the firm's betterment by using my abilities and expertise to contribute to the success of projects and solve real-world problems with the application of my data science and engineering skills.

SKILLS

Programming Language	Python | R | Java | C# | C++ | JavaScript
Machine Learning	Supervised Machine Learning | Unsupervised Machine Learning | Exploratory Data Analysis | Feature Engineering | Hyper Parameter Optimization | Time Series Analysis & Forecasting | Predictive Modelling
Deep Learning	Artificial Neural Networks | Recurrent Neural Networks | Convolution Neural Network | Optimization Techniques | OpenCV (Image and Video Processing)
Natural Language Processing	BERT | XLNET | Neural Language Models | Statistical Language Models | Text Summarization | Web Scrapping | Sentiment Analysis | Speech segmentation | Speech recognition | Text-to-speech | Tokenization | Text Mining | Text Preprocessing | Web Scraping
Big Data	PySpark | Hadoop | HIVE | Apache Spark | Databricks
Cloud	Azure - ML
Operating System	Windows | Linux | Unix
Database	MySQL | SQLite | MongoDB | PostgreSQL
Web Technologies	HTML 5 | XML | JSON | AJAX | REST API | Bootstrap | CSS
Software	Tableau | Power BI | Power Automate | Spyder | Jupyter | Pycharm | IntelliJ | Visual Studio
Frameworks & Libraries	Pandas | Numpy | Matplotlib | Seaborn | Tensorflow | Yolo | Keras | ML.NET | Django | Flask | Scikit-learn | Scipy | NLTK | OpenCV | Spacy | Twython | BeautifulSoup | .NET | Stanford Core NLP | PyTorch | FastText | Darts

EDUCATION

B.Tech: CSE **Maharshi Dayanand University** **Present**

XII:	CBSE	90%	Apr 2020
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EXPERIENCE

Head Student Liaison — **Training and Placement Cell, UIET MDU, Rohtak** — **Jan 2022 - Present**

- In charge of creating new processes and improving communication between departments.
- Enabled communication among students and the TPC.
- Ensured the smooth functioning of the Liaison group.
- Collected, arranged, and inputted information into the database system.
- Motivated the team to work better.
- Helped integrate students into the TPC environment and navigate TPC system requirements.
- Developed key training programs that improved student integration.
- Established team priorities, maintained schedules, and monitored performance.
- Identified and diminished performance gaps by coaching and supervising 5 subordinates.

PROJECTS

Default Risk Analysis

- This project aims to **identify the patterns** which indicate if a client has **difficulty paying their installments** which may be used for taking actions such as denying the loan, reducing the amount of the loan, or predicting if a client will default or not.
- Tools used: Pandas, NumPy, Matplotlib, Seaborn, Jupyter.

Customer Churn Prediction

- This project aims to **treat unsatisfied customers' problems** and make the telecom company's revenue flow.
- Tools used: Numpy, Pandas, Seaborn, Matplotlib, Sciket-Learn, Jupyter.
- Algorithms used: Logistic Regression, KNN, SVM, Decision Tree, Random Forest.

Fraud Detection

- This project aims to implement machine learning algorithms to **detect fraud** in Bank statements concerning time and amount of transactions.
- Tools used: Pandas, Seaborn, Numpy, Matplotlib, Sciket-learn, Jupyter.
- Algorithms used: KNN Classifier, Random Forest Classifier, Gradient Boost Classifier.

Sentiment Analysis

- This project aims to determine whether movie **reviews** are **positive** or **negative** so that the company can use this sentiment analysis in a variety of settings, particularly for marketing purposes.
- Tools used: Pandas, NLTK, Sciket-learn, TextBlob, Jupyter.
- Algorithms used: Naive Bayes, Classifier, Logistic Regression, SVM.

Driver Drowsiness Detection

- This project aims to **prevent accidents** caused by drivers getting drowsy.
- Tools used: OpenCV, Tensorflow, Keras, Sciket-learn.
- Algorithms: Convolutional Neural Networks (CNN)

OTHER ACCOMPLISHMENTS

- Certified **Full-Stack Django Developer** from NareshIT.
- Certified **Full-Stack Data Scientist** from NareshIT.
- Successfully managed the **Liaisoning Department** of TPC, UIET MDU for about a year.
- Increased productivity and efficiency of TPC, UIET MDU with **automation** and better **database management**.
- Successfully completed NPTEL Programming, Data Structures, and Algorithms as an **Elite** (Silver Medalist).