



## Aashish Arora

SENIOR LEVEL PROFESSIONAL

Analytics | Data Science

Location Preference: Anywhere in India

### PERSONAL DETAILS

✉ aashisharora619@gmail.com

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### CORE COMPETENCIES

Project Management & Delivery

Analytics Consultancy

Machine Learning

Predictive Maintenance

Business Intelligence

Client Relationship Management

Text Analysis

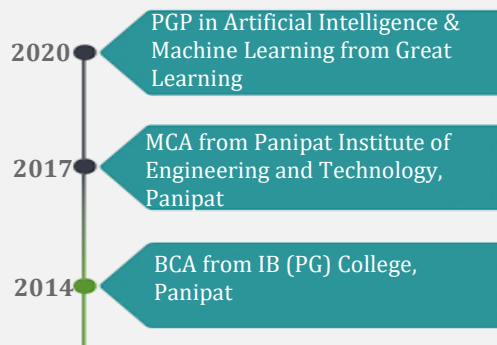
Data Science

Team Building & Leadership

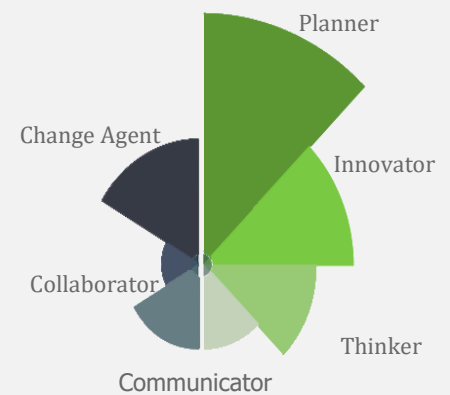
### PROFILE SUMMARY

- ❖ A dynamic professional with **over 3 years** of rich experience in managing complex, multi-functional IT programs, requirement analysis, machine learning, predictive maintenance and utility of internal data processing
- ❖ Played a vital role in delivering trainings related to machine learning
- ❖ Comprehensive experience in applying Model Evaluation and Selection techniques like k-Fold Cross Validation, Grid Search
- ❖ Hands on experience in Extract, Transform & Load (ETL) development using SQL Server Integration Services (SSIS)
- ❖ Strong knowledge of Data Visualization using PowerBI, Subqueries, Joins and data warehousing concepts
- ❖ A keen planner, strategist & implementer with expertise in managing delivery frameworks and new technology implementation for streamlining related activities within time & cost parameters as per quality standards
- ❖ Expertise in identifying & developing innovative and out-of-the-box analytical solutions using suitable machine learning algorithms and statistical methods to achieve actionable insights optimize business decisions

### ACADEMIC DETAILS



### SOFT SKILLS



### WORK EXPERIENCE

Since Dec 2020 with SB Energy, Delhi as Associate Data Scientist

#### Key Result Areas:

- ❖ Utilized analytical and technical expertise to provide insight and proposals to support business improvement.
- ❖ Conducted business analysis to understand business needs and requirements to translate the conceptual designs.
- ❖ Build predictive models using various machine learning tools to predict the possibility of equipment failure.
- ❖ Design algorithms to detect and track anomalies in multiple equipment for renewable energy industry.

July 2017 to Dec 2020 at Hitachi Vantara, Pune as Consultant (C2)

#### Key Result Areas:

- ❖ Working closely with development teams to ensure accurate integration of machine learning models into firm platforms
- ❖ Developing the team's capabilities in data science and machine-learning, and apply them to create new data-driven insights
- ❖ Developing data models, implementing databases, and writing stored procedures, also analyzing content and quality of databases, and recommending data management procedures
- ❖ Delivering and implementing the project as per scheduled timelines, extending post-implementation and maintenance support to the technical support team and client
- ❖ Identifying data requirements/designing data warehouse and business intelligence applications to satisfy client business objectives

## PROJECTS

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**Project:** Fault Prediction in Transformers  
**Period:** Dec'20-Jan'21  
**Techniques Used:** Random Forest  
**Tool Used:** Python  
**Accuracy:** 84%

**Project:** Fault Classification in Transformers  
**Period:** Jan'21-Feb'21  
**Techniques Used:** Random Forest  
**Tool Used:** Python  
**Accuracy:** 72%

**Project:** RUL in Transformers  
**Period:** Feb'21-Feb'21  
**Techniques Used:** Bagging Regressor  
**Tool Used:** Python  
**Accuracy:** 72%

**Project:** Automatic Ticket Classification  
**Period:** Apr'20-Jul'20  
**Techniques Used:** Lemmatization, Glove Embedding, Random Forest, BI-LSTM  
**Tool Used:** Python  
**Accuracy:** 93.65%

**Project:** Safety Helmet and Vest Detection  
**Period:** Oct'19-Mar'20  
**Techniques Used:** Cognitive Services, PowerApps, PowerBI, Logic apps, Azure, Machine Learning  
**Tool Used:** Microsoft Azure  
**Accuracy:** 94.47%

## PERSONAL DETAILS

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**Date of Birth:**  
4<sup>th</sup> August 1994

**Languages Known:**  
Hindi & English

**Permanent Address:**  
H No. 13, Patel Nagar, Tehsil Camp, Panipat, Haryana-132103

- ❖ Creating the requirements analysis, the platform selection, design of the technical architecture, design of the application and development, testing, and deployment of the proposed solution
- ❖ Applying dimensionality reduction techniques like feature selection (elimination, variance, and correlation threshold) and feature extraction techniques like PCA.
- ❖ Leading a cross-vertical teams, briefing them about the specifications and meeting individual & group targets
- ❖ Mapping client's requirements & providing best products to suit their requirements; generating business from existing accounts and achieving profitability & growth

## TECHNICAL SKILLS

**Statistical Concepts:** Descriptive Stats, Inferential Stats, Hypothesis testing, Exploratory Data Analysis, Feature Engineering

**Supervised Learning:** Linear regression, Logistic regression, Naive Bayes, K-Nearest Neighbor, Support vector machine, Decision Tree

**Unsupervised Learning:** K-means Clustering, Hierarchical Clustering, Principal component analysis and dimensionality reduction

**Ensemble Techniques:** Random Forest, Bagging, Boosting

**Natural Language Processing:** RNN, LSTM, GRU, Word2vec, Glove, tf-idf

**Programming Languages:** Python

**Database:** SQL Server, Azure SQL

**ETL Tool:** SSIS

**Framework/IDE:** Jupyter Notebook, Spyder, Pycharm