# PROFILE SUMMARY



**Aashish Arora**

**SENIOR LEVEL PROFESSIONAL**

**Analytics | Data Science Location Preference: Anywhere in india**

**PERSONAL DETAILS**

**CORE COMPETENCIES**

Project Management & Delivery

Analytics Consultancy

Machine Learning

Predictive Maintenance

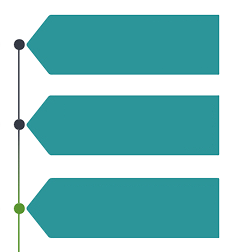
Business Intelligence

Client Relationship Management

Text Analysis

Data Science

Team Building & Leadership

* 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

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| **ACADEMIC DETAILS** | **SOFT SKILLS** |
| Planner  PGP in Artificial Intelligence &  **2020** Machine Learning from Great  Learning  Change Agent  MCA from Panipat Institute of Innovator  **2017** Engineering and Technology,  Panipat  BCA from IB (PG) College, Collaborator  **2014** Panipat Thinker  Communicator | |

# 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
* 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

**PROJECTS**

**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**

**Date of Birth:**

4th August 1994

**Languages Known:**

Hindi & English

**Permanent Address:**

H No. 13, Patel Nagar, Tehsil Camp, Panipat, Haryana-132103

* 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 Techni**ques: 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