

# ASHISH RAWAT

## Data Scientist

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## Summary

Experienced data scientist with expertise in developing models, pipelines, and algorithms to solve complex business problems. Proficient in Python, MLOps, SQL, GenAI and state-of-the-art machine learning and forecasting techniques.

## EXPERIENCE

### Data Scientist

#### Brillio

November 2022 – Present 📍 Pune, India

- Managed and optimized a forecasting solution for the supply chain of a global food company on the Databricks platform using PySpark, implementing client-specific modifications to meet evolving business requirements.
- Built a batch processing system for a dental insurance provider to classify claim documents using AWS services, improving document processing efficiency and enabling the handling of higher claim volumes
- Created and deployed a chatbot utilizing LLM and LangChain framework on Google Cloud Platform for an insurance client, leading to enhanced customer service, improved user experience, and streamlined communication processes

### Senior Data Scientist

#### Guavus – A Thales company

January 2022 – November 2022 📍 Gurugram, India

- Developed a POC for a forecasting-based inventory management system for a credit card manufacturer, demonstrating over 60% improvement in delivery date estimation and showcasing potential for significant cost savings

### Data Science Analyst

#### Accenture

October 2020 – January 2022 📍 Gurugram, India

- Conducted accurate inventory forecasting for a packaged food manufacturer using state-of-the-art techniques, including ARIMA, prophet, and regression algorithms, along with Bayesian hyperopt for model selection and parameter tuning
- The forecasting results provided critical insights for inventory planning, resulting in a 16% reduction in WMAPE

### Analyst

#### Interglobe Aviation Ltd.

July 2019 – July 2020 📍 Gurugram, India

- Leveraged unsupervised machine learning and forecasting techniques to optimize pricing for an airline's 'Express check-in' service, resulting in a 10% increase in revenue
- Inventory optimization through forecasting, overbooking and yield max models to manage irregular demand through markets and seasons

## SKILLS

- Python, SQL
- Predictive Modeling
- AWS, GCP cloud
- GenAI
- Databricks, PySpark
- Tree based models (XGBoost, CATBoost)
- Classification, Regression, Clustering
- Forecasting models (Prophet, Arima)
- Deep learning

## EDUCATION

### MBA from IIT Roorkee

June 2016 - May 2018

### B.E in Mechanical Engineering Panjab University, Chandigarh

July 2011 - July 2015

## CERTIFICATIONS

- Completed Udemy's 'Natural Language Processing with Python' course in 2023
- Completed Udemy's 'Deep learning and computer vision A-Z' course in 2023
- Completed 'ChatGPT - Artificial Intelligence (AI) That Writes For You' course in 2023

## ACHIEVEMENTS

- Secured rank in top 50 in 3 All India machine learning competitions hosted by Analytics Vidhya
- Successfully completed certification on Statistical Learning from Stanford University, USA, 2017