

AKASH SHARMA

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PROFESSIONAL SUMMARY

Data Scientist with 2.5+ years of experience in developing scalable machine learning models and automating data pipelines for real-time business solutions. Proficient in predictive modeling, feature engineering, and automation of workflows using tools like Python, PySpark, Airflow, and GCP. Effectively collaborated with cross-functional teams to develop solutions that enhance business performance for clients.

CORE COMPETENCIES

Machine Learning	Predictive Modeling	Model Deployment & Optimization
Data Analysis	Feature Engineering	Programming Proficiency
Data Visualization	Cloud Computing	AI Explainability

PROFESSIONAL EXPERIENCE

ADA-ASIA Apr 2022 – Present
Data Scientist

Account Name: RevSure AI

Focused on developing and optimizing machine learning models to enhance business decision-making

- Developing and optimizing machine learning models, including the creation of **Projection & Categorization Models** that integrate feature engineering, hyperparameter tuning, and data balancing for accurate forecasts.
- Created custom transformers for feature engineering, facilitating efficient data processing and significantly improving model accuracy. Implemented strategies to optimize performance metrics such as **MAPE** and **F1-Score**, translating complex data into actionable insights.
- Leveraged **SHAP for model explainability**, ensuring **transparency** in predictions.
- Developed a **generic regressor and classifier framework** that streamlined future model development, reducing the time needed to build new models from scratch.

Account Name: Leading Ecommerce Aggregation Company

Aimed at analyzing the factors affecting the booking cancellation and building a machine learning model to predict the booking cancellation chances for corresponding bookings.

- Developed a predictive model to forecast booking cancellations and minimize revenue loss.
- Conducted data cleansing and exploratory analysis. Applied feature engineering techniques, including outlier removal and data scaling, to enhance model performance.
- Utilized Logistic Regression and Decision Trees for baseline modeling and improved accuracy.
- Leveraged XGBoost to effectively predict cancellations, aiding in revenue management.

EDUCATION

P.G. Program in Data Analytics Jan 2022
Imarticus Learning Thane (W)

Bachelor's in Information Technology Nov 2020
T.Z.A.S.P. Pragati College of Arts, Science & Commerce Dombivli (E)

SKILLS SUMMARY

- Programming Languages:** Python, SQL, PySpark
- Machine Learning Tools:** Scikit-learn, TensorFlow, XGBoost, OpenCV, Keras, SHAP
- Cloud Platforms & Distributed Systems:** GCP, Spark, Airflow, BigQuery
- Visualization Tools:** Matplotlib, Seaborn, Plotly

CERTIFICATIONS

- IBM Data Science Professional Certificate – IBM [Coursera]
- Advance Python – Squad Infotech [Thane (W)]