

RIYA TYAGI

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PROFESSIONAL SUMMARY

AI/ML Engineer with 2+ years of experience building predictive models, time series forecasts, and ML-driven insights to support Sales and Operations teams. Proficient in developing classification and regression models using Python, SQL, Scikit-learn, TensorFlow, and LSTM. Strong understanding of data engineering workflows, data pipelines, and robust ML development practices. Hands-on exposure to Generative AI, cloud environments (AWS), and customer-facing project deployment in Agile teams. Seeking to drive AI adoption in B2B product development environments.

CORE SKILLS

- **ML & AI:** XGBoost, Random Forest, LSTM, SVM, Logistic Regression, Generative AI
 - **Languages:** Python, R, SQL
 - **Libraries & Tools:** Scikit-learn, TensorFlow, Pandas, NumPy, PySpark, Matplotlib, Seaborn
 - **Visualization:** Tableau, Power BI, Excel (Advanced)
 - **ML Ops & Infra:** Git, Jupyter, AWS (basic), Docker (basic), Airflow (familiar), CI/CD (basic understanding)
 - **Business Domains:** Sales Forecasting, Customer Analytics, Marketing Insights, CRM/Campaign Data
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PROFESSIONAL EXPERIENCE

SENIOR ASSOCIATE – FORECASTING

Sutherland Global Services | Jan 2023 – Present

- Designed forecasting models to support Sales & Operations, achieving up to 95% accuracy in headcount prediction.
- Automated data pipelines and reporting using Python and Excel macros, reducing manual tasks by 50%.
- Created performance dashboards in **Tableau/Power BI**, aligned with stakeholder KPIs.
- Collaborated cross-functionally with business, analytics, and operations teams to align on forecasts and execution plans.
- Applied machine learning to analyze customer and operational data, enabling data-driven decision-making.

DATA SCIENCE INTERN

Corizo | Remote | Jul 2022 – Aug 2022

- Built and evaluated ML models (Random Forest, XGBoost, Decision Trees) using real-world datasets (CRM, product sales).
 - Applied **classification/regression models** to customer churn and pricing predictions.
 - Implemented data cleaning, feature engineering, and model evaluation (ROC, precision, recall, F1-score).
 - Delivered a **stock price forecasting project** using **LSTM** neural networks and **Keras**.
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EDUCATION

M.Sc. Data Science, Amity University, Rajasthan – 2023 (GPA: 9.58)

B.Sc. (Maths Hons.), University of Delhi – 2020 (GPA: 8.22)

PROJECTS

Generative AI Project – Text Summarization & Chatbot (PW Skills)

- Developed text summarization and question-answering features using **transformer-based** language models (BERT, T5).
- Integrated models with a front-end for simulated business scenarios like support and onboarding FAQs.

Stock Price Forecasting with LSTM

[GitHub Repo](#)

- Used LSTM to model sequential dependencies in stock prices; tuned hyperparameters, evaluated RMSE.

FMCG Sales Data Analytics

- Conducted multi-dimensional analysis of product and regional sales using SQL and Python.
- Delivered insights on top-performing SKUs and time-based trends; simulated customer segmentation.

Wine Quality Classification

[GitHub Repo](#)

- Applied ML models to classify wine quality based on physicochemical data.
 - Compared classifiers and visualized feature importances for actionable insights.
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CERTIFICATIONS

- **Data Science with Generative AI** – PW Skills by Physics Wallah | Completed May 2025
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ACHIEVEMENTS

- **First Prize**, 18th National Youth Parliament Competition

- **Rajya Puraskar** in Scouts & Guides, Navodaya Vidyalaya Samiti
 - **'A' Certificate**, NCC (26 U.P Girls Battalion)
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ADDITIONAL INFO

- Available to relocate or work remotely
- References available on request