

Yashraj Singh Rajawat

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PROFILE

Data Analyst with 3+ years of experience in **Python, SQL, Databricks, ML & AI**, specializing in **automation** and scalable pipelines. Reduced reporting time by **92%** and delivered data-driven insights supporting business decisions.

SKILLS

Technical: SQL, Python, Machine Learning, NLP, Time Series Analysis, Statistics.

Tools: Databricks, BigQuery, AWS (S3, Athena, EC2), Qlik Sense, Tableau, Power BI, Excel.

EXPERIENCE

Niva Bupa Health Insurance

Noida, India

Data Analyst

Oct 2023 – Present

- Developed an **AI-powered** benchmarking **chatbot** using **Python, Streamlit**, and **NotebookLM**, enabling automated **KPI** comparison across teams and reducing manual analysis effort by 60%.
- Built scalable **ETL pipelines** using **SQL** and **Python** to integrate data from multiple sources, processing **1,000,000+** records/day for real-time **analytics** and automated reporting.
- Automated workflows using **Databricks**, saving **20+ hours/week** and eliminating manual Excel processes.
- Optimized **Qlik Sense** dashboards and **BigQuery** models, reducing reporting time from **3 days to 6 hours**.
- Designed **KPI** frameworks and delivered insights to stakeholders across sales, finance, and operations.
- Implemented data validation checks ensuring high data accuracy to **99.9%** and **92%** report reduction.
- Conducted **A/B testing** and cohort analysis to evaluate campaign performance and inform strategy.

AI Variant

Bangalore, India

Data Science Trainee

Feb 2023 – Jul 2023

- Built and tuned **machine learning** models using **Scikit-Learn**, improving predictive performance by **8%**.
- Performed **EDA**, data cleaning, preprocessing, and **feature engineering** to build reliable, model-ready datasets.
- Developed visualizations using **Matplotlib** and **Seaborn** to communicate trends and insights to stakeholders.

PROJECTS

Social Media Sentiment Analysis([GitHub](#))

- Built an end-to-end **NLP** pipeline for sentiment analysis using text preprocessing and **ML/DL** models.
- Identified **sentiment trends** and delivered actionable insights for marketing strategy optimization.

Stock Price Prediction (Time Series – Tesla Data) ([GitHub](#))

- Applied **ARIMA**, **moving averages**, and decomposition techniques for accurate **time-series forecasting**.
- Evaluated and compared multiple **forecasting** approaches using **MAE** and **RMSE** metrics.

Electric Motor Speed Prediction([GitHub](#))

- Developed **regression** models (**Decision Trees, Neural Networks**) on a dataset of **100,000+** records.
- Improved model performance using feature selection and **VIF**; evaluated models using **RMSE** and **R²** metrics.

EDUCATION

BITS Pilani

Remote, India

M.Tech in Artificial Intelligence & Machine Learning (Work Integrated Learning Programme)

2026 – present

Rustamji Institute of Technology

Gwalior, India

Bachelor of Technology (B.Tech) in Information Technology (IT)

2019 – 2023

- CGPA: 8.32 / 10