

# LAXMAN PARAB

Data Science Analyst

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## Summary

Data Science Analyst with over 2 years of experience delivering end-to-end ML solutions — from data collection and EDA to modeling, deployment, and monitoring. Proven track record in automating workflows, improving forecast accuracy, and reducing operational inefficiencies across procurement and operational domains. Skilled in Python, SQL, Power BI, and Excel with a strong foundation in statistics and machine learning. Adaptable to new domains with a problem-solving mindset and a keen interest in applying data science to real-world business challenges.

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## Experience & Projects

### Jio Platforms Ltd. | Data Science Analyst

Sep 2022 – Present | Mumbai, India

- Price Prediction Model for Rotary Equipment
  - Developed a regression-based model to predict rotary equipment pricing using labor and steel indices, enabling accurate procurement forecasts and data-driven decision-making.
  - Enabled accurate procurement forecasting and reduced estimation turnaround time.
- SWRO CIP Prediction Model
  - Built a machine learning model to predict CIP (Cleaning in Place) timelines for SWRO units, enhancing membrane life and operational efficiency.
  - Helped reduce downtime, extend membrane life, and achieved cost savings.

- RFX Audit & Master Table Creation
    - Consolidated and cleaned data from 16+ procurement tables (~2M records) to create a centralized master table with key business attributes.
    - Automated audits to validate supplier consistency, quantity alignment, and bid timelines, improving transparency and reducing manual effort in procurement analysis.
  - Manpower Reconciliation Tool
    - Built an automated Gradio-based interface to match and validate financial data across two sources, enhancing accuracy in compliance reporting and recovery tracking.
    - Enabled monthly reconciliation (earlier bi-annual) by automating wage-SES recovery logic, cutting 2-month manual cycles to a few minutes and saving significant time and cost.
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## Skills

- Python, SQL, DAX, Power BI, Tableau, Excel, SPSS, Git
  - Machine Learning: Regression, Classification, Random Forest, Time Series Forecasting
  - Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
  - Databases: MS SQL Server, MySQL Workbench
  - Cloud Deployments (Basic): Azure DevOps, Kubernetes
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## Education

- M.Sc. Statistics – Somaiya Vidyavihar University, Mumbai (2020–2022) | CGPI: 9.55
  - B.Sc. Statistics – Bhavan's College, Mumbai (2017–2020) | CGPI: 8.10
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## Certifications

- Applied Data Science with Python – IBM
- Data Analysis Using Python – IBM
- SQL Microdegree – Udemy
- Microsoft Excel A-Z – Udemy