

Prasad Pramod Patil

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SUMMARY

I am a Data Analyst who finds purpose in transforming massive datasets into clear, strategic narratives. My fascination with this role stems from the ability to bridge the gap between complex raw data—like the 450M+ transactions I managed at TCS—and the human decisions that drive a company forward. I specialize in SQL, Snowflake, and dbt pipeline architecture, with a core strength in identifying "hidden" value, such as the \$3.3M in annual savings I uncovered through performance analytics. I am eager to apply my expertise in predictive modeling and machine learning to help your team make high-stakes decisions with absolute statistical confidence.

EDUCATION

Syracuse University, Syracuse, NY
M.S. Data Science

May 2026

Relevant Coursework: Applied Machine Learning, Big Data Analytics, Cloud Management, Data Administration Concepts & Database Management, Quantitative Reasoning for Data Science, Scripting for Data Analysis, Data Warehouse, Visual Analytic Dashboards.

University of Mumbai, Pillai College of Engineering, Mumbai, India
Bachelor of Engineering in Information Technology

May 2022

EXPERIENCE

System Analyst (Full-Time)

July 2022 – July 2024

Tata Consultancy Services, Mumbai, India

- Modernized financial reporting systems by extracting business logic from 200+ SQL procedures for critical updates.
- Streamlined data integration across 15 databases using high-accuracy mappings to ensure seamless system transitions.
- Improved data integrity by 40% by resolving 85+ quality issues through rigorous root cause analysis.
- Guaranteed financial reporting precision by validating 450M+ transactions across several large-scale datasets.

Testing Chamber Performance Analyst.

August 2025 – December 2025

JMA Liverpool, Syracuse, USA

- Slashed SLA breaches by 40% by re-engineering testing workflows to eliminate systemic operational bottlenecks.
- Reduced process variance by 2.5x, creating a standardized workflow that stabilized critical business output.
- Captured \$3.3M in annual savings while driving 45% productivity gains through advanced performance analytics.
- De-risked strategic scaling by providing scenario models with 95% statistical confidence for executive leadership.

ACADEMIC PROJECTS

Healthcare Hub: End-to-End Analysis. [\(Git\)](#)

August 2025 – December 2025

- Architected Snowflake/dbt ELT pipelines using Kimball star schemas for unified business intelligence.
- Engineered modular SQL/Jinja models and dbt tests, successfully reducing auditing time 50%.
- Visualized \$8.2M revenue via Power BI, correlating stock-outs with procurement data patterns.

Predictive Crime Analysis & Classification Model. [\(Git\)](#)

February 2025 – April 2025

- Executed EDA and forecasting on 9,100+ records utilizing Random Forest and SARIMA for trend prediction.
- Evaluated SVM and XGBoost performances, documenting key metrics to identify the optimal 95% accuracy model.
- Deployed the model via Flask API, mapping crime density across 50+ neighborhoods with Tableau visualizations.

TECHNICAL SKILLS

Languages & Frameworks	: Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras), SQL, R, Streamlit.
Machine Learning & Statistics	: Supervised/Unsupervised Learning, Deep Learning (Neural Networks), XGBoost, SVM, Random Forests, Feature Engineering, Model Evaluation, Time Series, A/B Testing, Statistical Modeling.
Data Infrastructure & Pipelines	: Snowflake, DBT, ETL/ELT Pipelines, SQL/NoSQL Databases, Data Cleaning, Data Preprocessing, Big Data Technologies (Spark, Hadoop)
MLOps & Tools	: Git/GitHub, CI/CD, Docker, Jupyter Notebook, VS Code, Google Colab.
Visualization & BI	: Tableau, Power BI, R, Matplotlib, Seaborn, Plotly, Excel (VBA, Macros, Pivot Tables)
Cloud Platforms	: AWS (S3, EC2), Azure (basic familiarity)

CERTIFICATIONS

[Snowflake: Data Warehousing Workshop \(DWW\)](#)
[LinkedIn: Learning Linux Command Line](#)