ROHAN PATIL
+1(607) 232-2900 | rohanpatil4600@gmail.com | New York | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Data Analyst / Data Scientist with hands-on experience in **data modeling, ETL pipelines, and analytics workflows** supporting operational and business decision-making. Skilled in **SQL, Python, Power BI, and Tableau** to translate complex datasets into **actionable insights, performance optimization, and data-driven strategy**.

EDUCATION

State University of New York at Binghamton, Binghamton, New York, United States   **Dec 2025**
Masters in Computer Science | Cumulative GPA: 3.85 / 4.0

Rajiv Gandhi Institute of Technology, Mumbai, India   **Jun 2022**
Bachelor of Computer Science | Cumulative GPA: 3.5 / 4.0

TECHNICAL SKILLS

Analytics & BI: SQL (Joins, CTEs, Window Functions), MySQL, Power BI, Tableau, Excel, Data Modeling, KPI Design
Programming: Python, R
Data Handling: Pandas, NumPy, Selenium, ETL Pipelines, Data Cleaning, Feature Engineering, Data Engineering
Statistical Analysis: Hypothesis Testing, Regression, Inferential Stats
Data Visualization: Matplotlib, Seaborn, Power BI dashboards
Tools: Git, GitHub, Firebase, Excel Macros (basic)

CERTIFICATIONS

- AWS Cloud Practitioner | AWS AI Practitioner | AWS Machine Learning Associate

WORK EXPERIENCE

Transportation & Parking Services (TAPS), Binghamton University | *Operations Data Analyst*   **Aug 2025 – Dec 2025**
- Managed and analyzed **parking permits, citation, and service request datasets** (5K+ records/semester), improving data accuracy and reducing manual reconciliation by ~30%, saving **~8–10 hours/week**.
- Analyzed **parking utilization and service demand patterns** across campus zones, supporting more efficient allocation of enforcement and transportation resources.
- Built **operational KPIs and summary reports** (volume trends, turnaround time, compliance rates) that improved response visibility and reduced issue resolution time by **~20%**.

Manda Engineering, India | *Data Analyst / Data Scientist*   **Jan 2022 – July 2023**
- Consolidated **production, quality, and process data** from multiple manufacturing systems into a unified analytical layer, improving reporting accuracy and reducing manual data handling by **~40%**.
- Analyzed throughput variability, equipment downtime, and failure patterns across production lines, identifying root causes and supporting **10–15% efficiency gains**.
- Delivered **decision-ready insights** that directly influenced process optimization and continuous improvement initiatives, reducing recurring operational issues and planning cycle time.

Geofeatures Solutions, India | *Machine Learning Intern (Analyst-focused)*   **Jun 2021 – Dec 2021**
- Analyzed **15,000+ geospatial images** and 3,000+ road segments using Python (GDAL, Rasterio), generating **predictive maintenance insights** using clustering techniques (K-Means, DBSCAN) and spatial analytics to support data-driven maintenance planning.
- Cleaned, prepared, and modeled geospatial data to classify road surfaces (Tar, Basalt, Granite), achieving **92% accuracy** and building a severity scoring system that improved repair prioritization efficiency.

Extreme Apps, India | *Data Analyst Intern*   **Dec 2020 – May 2021**
- Analyzed **2M+ user interactions** across **50+ restaurant clients** using **SQL, Python, and app analytics tools**, identifying behavioral patterns that reduced table-order times by **30%** and boosted repeat engagement by **85%**.
- Designed **automated dashboards** and **SQL/Python data pipelines** to track loyalty performance, retention trends, funnel movement, and operational throughput, improving reporting efficiency and insight availability by **40%**.

ACADEMIC PROJECTS

Sales Performance Analytics Dashboard (Power BI + SQL)
- Engineered a complete **Power BI sales analytics dashboard** using a 120K+ transaction dataset, designing a **star schema**, creating DAX measures (YoY%, MoM%, AOV, CLV), and setting up automated refresh.
- Cleaned and transformed data using **SQL + Python**, handling missing values, outliers, and deduplication to optimize forecasting accuracy by **18%** and reveal insights like a **15% revenue drop** in the Midwest.

Customer Churn Analysis & Retention Insights (EDA + Stats)
- Performed full **EDA, cohort analysis, and segmentation** on a telecom dataset (10K+ customers), revealing churn behaviors across contract types, tenure groups, and support interactions.
- Applied statistical testing (**Chi-square, ANOVA**) to identify significant churn drivers, showing that month-to-month customers had **32% higher churn** and support-related issues greatly increased attrition risk.