

PRIYASWARUPA RANI PATI

+1 (313) 210-2798 | ppati@umich.edu | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Dallas, USA

PROFESSIONAL SUMMARY

Quantitative and product analytics professional with 8+ years of experience applying statistical analysis, SQL, Python, experimentation, and data storytelling to complex business problems. Experienced in analyzing large, multi-source datasets; identifying behavioral and performance patterns; developing KPI frameworks; and translating analytical findings into decision-ready recommendations for technical and business stakeholders. Brings a strong research foundation and hands-on experience across product and decision analytics, finance, product, and Generative AI, operations, and strategic analysis.

CORE SKILLS

SQL, Python, Tableau, PowerBI, AWS(S3, Glue, EMR), Snowflake, Informatica CDGC, A/B Testing, Amplitude, Jira, Confluence, Salesforce Data Cloud, Generative AI, Machine Learning, Deep Learning, Google Cloud Platform

PROFESSIONAL EXPERIENCE

Alphabet Inc. (via TransPerfect) on Contract

Role - Business Data Analyst | Finance & Generative AI | Remote, USA | Jan 2026 – Apr 2026

- Developed and applied statistical and data-validation frameworks across 300K+ structured and unstructured records, surfacing data integrity issues and behavioral patterns that informed AI governance and senior-stakeholder decisions
- Built SQL-based analytical and reconciliation workflows across complex enterprise datasets, improving confidence in reporting inputs and decision-ready outputs
- Designed reusable KPI and reporting workflows that reduced reporting turnaround time by 25%, improving the speed and consistency of recurring analytical delivery

Michigan State University on Contract

Role - Technical Professional Aide | Product & Decision Analytics | Lansing, MI | Sep 2025 – Present

- Designed Python and SQL based analyses across 100K+ records to investigate behavioral trends, segmentation opportunities, engagement patterns, and product performance, translating findings into actionable recommendations
- Built SQL-based segmentation analyses identifying 25–30% engagement and conversion inefficiencies, helping focus stakeholder attention on high-impact optimization opportunities
- Applied statistical and NLP-based modeling with iterative validation, improving detection accuracy by 30% and strengthening the reliability of analytical outputs
- Developed decision-support dashboards tracking 20+ KPIs and translating complex behavioral and performance metrics into stakeholder-ready insights

iLabs, University of Michigan-Dearborn

Role - Graduate Research Assistant | Data Analyst | Dearborn, MI | Sep 2024 – Feb 2025

- Designed end-to-end analytics programs across 1,000+ respondents, spanning requirements gathering, data analysis, statistical modeling, and executive-level insight delivery
- Improved reporting efficiency by 20% through standardized, reproducible analytics and dashboard frameworks

R.B. Construction Ltd

Role - Data Analyst | Balasore, India | Oct 2020 – Sep 2022

- Developed and monitored warehouse, demand, supply, and operational KPIs across 15+ simultaneous projects, supporting gap analysis and leadership action planning
- Built predictive analytics models to identify operational and supply risks, achieving 90% forecasting accuracy and enabling proactive planning

- Reduced recurring reporting effort by 40% through SQL and Excel automation, improving analytical consistency and turnaround time

Parul University

Role - Data Analytics & Quantitative Research | *Vadodara, India* | *Jan 2016 – Sep 2020*

- Applied hypothesis testing, inferential statistics, database analysis, and quantitative methods to research and institutional decision-making
- Designed and delivered advanced coursework in Big Data Analytics, applied statistics, SQL, and enterprise systems while mentoring 50+ students and faculty in analytical methods

NIT Srinagar / SUIT Odisha / CUJ

Role - Database Analyst | *India* | *Sep 2013 – Dec 2015*

- Managed database reporting workflows and optimized SQL queries across academic and government institutions, improving query efficiency and reporting reliability by 90%
- Built Snowflake star schema data models and validated multi-source dataflows in financial aid and revenue

SELECTED ANALYTICAL PROJECTS

Product Analytics & Funnel Optimization | Independent Analytical Project

- Designed customer engagement and conversion analyses using SQL, Python, segmentation, and visualization; identified 25–30% conversion inefficiencies and translated findings into actionable recommendations

Gene Therapy Investment Risk Analysis | Advanced Statistical Modeling

- Built a quantitative risk model across a \$7.7B biotech market using Monte Carlo simulation (10,000+ scenarios), multi-factor sensitivity analysis, and NPV modeling to support strategic investment decisions

Large-Scale Demand Forecasting & Recommendation Analysis | Netflix Dataset

- Developed ARIMA forecasting and collaborative-filtering analyses across 20M+ records to identify demand patterns and generate scalable, data-driven recommendations.

EDUCATION

M.S., Business Analytics — University of Michigan-Dearborn

M.Tech, Computer Science & Engineering — SRM University, Chennai

B.Tech, Computer Science & Engineering — Biju Patnaik University of Technology, Odisha

CERTIFICATIONS

aCAP Certified Business Analyst • Advanced Business Analytics • SQL for Data Analytics • Tableau Dashboard Design
• VMware Cloud Administration