

# Priyanshu Saxena

Phone: +91-74248-51836 | Email: [priyanshusaxena2612@gmail.com](mailto:priyanshusaxena2612@gmail.com) | LinkedIn: <https://linkedin.com/in/priyanshusaxena2612/>

## PROFESSIONAL SUMMARY

---

Analytics Engineer with 3+ years of experience building production-grade SQL pipelines, ETL workflows, and BI dashboards across healthcare and enterprise analytics. Specialized in translating complex business requirements into scalable data systems, with hands-on experience across EMR/claims data, payer analytics, and client-facing BI reporting.

## SKILLS

---

**Programming:** Python, SQL, pandas, NumPy, Matplotlib  
**BI & Visualization:** Power BI, DAX, Excel, Google Sheets  
**Cloud & Platforms:** Snowflake, Azure Databricks, Azure Data Lake Storage, Azure Data Factory  
**Orchestration & Tools:** Apache Airflow, Git  
**Domain:** EMR & Claims Data, Payer Analytics, Healthcare Data Systems

## EXPERIENCE

---

**Data Analytics Engineer** August 2024 – Present  
*Innovaccer Inc.* *Noida*

- Identified systematic patient mis-assignments in a critical care protocol workflow, fully refactoring a 200+ line SQL query and migrating to a new schema, eliminating incorrect program enrollments.
- Analyzed EMR and claims data (AthenaOne, Veradigm) across UHC, BCBS, Vaya, and WellCare, driving care protocol assignment strategy changes aligned with individual plan requirements.
- Built production SQL logic assigning PCPs for ~20k patients/month against facility thresholds, ensuring balanced load distribution and improving payer risk calculation accuracy.
- Automated payer file monitoring via SQL and Python, eliminating 4hrs/week of manual checks and triggering real-time alerts to client and payer representatives on file receipt status.
- Designed a weekly pipeline delivering NCHIE ADT feeds for payer-attributed patients, saving ~40 analyst hours/year and ensuring accurate downstream risk reporting.
- Built NC Medicaid analytics dashboard with 10+ visuals identifying patient interaction and coverage gaps across payers and member organizations, optimized to sub-5-second load times.

**Data Analytics Engineer** May 2022 – September 2023  
*MAQ Software* *Noida*

- Architected 200+ DAX measures using Tabular Editor for a SaaS client, improving database performance and delivering dashboards ranked in the top 10 across the organisation's BI portfolio.
- Optimised Azure Data Factory pipelines using KQL, SQL, and Python, contributing to a 50% reduction in data extraction time and improving overall pipeline efficiency.
- Led ETL transformation validation across 100+ Azure Databricks notebooks, ensuring accurate logic execution and reliable data output for downstream reporting.
- Built and delivered Power BI reports using PySpark, KQL, and Analysis Services, reducing report load times to under 9 seconds across 20+ interactive dashboards.

## PROJECTS

---

**SQLANALYZER** | *Python, SQL*

- Open sourced sqlanalyzer - an AST-powered Snowflake SQL complexity analyzer built with sqlglot, detecting 8 performance anti-patterns including non-SARGable filters, cartesian joins, and SELECT \* usage across JOIN density, subquery nesting, and CTE overuse
- Designed a context-aware weighted scoring engine (0 - 100) that penalises query issues relative to query size rather than hardcoded thresholds, with CLI support for .sql file input and JSON report generation

**Airline Status Analysis** | *Power BI, SQL, ETL*

- Built a 3 page Power BI Dashboard (Overview, Detailed Analysis, MoM trends) to analyze airline operations and revenue performance.
- Designed interactive navigation using bookmarks, KPIs and drill-downs enabling seamless switching between views and focused KPI analysis.

## EDUCATION

---

**Lovely Professional University**  
*B.Tech in Computer Science (GPA: 3.45/4)*

Phagwara, Punjab  
*August 2019 – May 2023*