

TAPAS ROUT

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PROFILE SUMMARY

B.Tech in Computer Science with specialization in Data Analytics, with **1.6 years of professional experience** in **Power BI, SQL, Python, and Databricks**. Experienced in **designing and automating data pipelines, building scalable data models, and developing interactive dashboards** for operational analytics.

Hands-on experience in transforming **manual reporting processes into automated ETL workflows**, enabling real-time tracking of key business KPIs such as utilization, growth, and demand–supply metrics across large-scale operations.

Skilled in integrating **multi-source data**, performing **data validation and consistency checks**, and delivering reliable insights through structured reporting and business intelligence solutions. Strong experience collaborating with cross-functional stakeholders to translate business requirements into data-driven solutions.

SKILLS

BI Tools	Power BI, Tableau
Programming	Python, C
Data Processing	SQL, Databricks, ETL Design, Data Cleaning
Libraries	Pandas, NumPy, Matplotlib, Seaborn
Cloud	Amazon S3, Google Cloud Platform
Analytics	Dashboarding, Data Modeling, KPI Tracking, Data Validation
Soft Skills	Analytical Thinking, Communication, Problem-Solving

EXPERIENCE

Data & Operations Analyst
Snabbitt

Sept 2025 – Apr 2026
Bengaluru, IN

- Designed and automated end-to-end **ETL pipelines** using **SQL and Databricks**, replacing manual reporting workflows and enabling real-time tracking across **500+ Nano Markets**.
- Developed and maintained **Power BI dashboards** for multi-level stakeholders (Executive, Control Tower, Ground Ops) to monitor KPIs including job completion, utilization, and growth metrics.
- Built scalable **data models aligned with hierarchical business structure** (Region → City → Cluster → Micro Market → Nano Market) to support granular operational analysis.
- Implemented **data validation checks and standardized KPI definitions**, improving data accuracy, consistency, and trust across reporting systems.
- Performed **demand–supply and utilization analysis** to identify breaching markets, performance deviations, and workforce gaps, enabling data-driven decision-making.
- Automated data ingestion, transformation, and dashboard refresh workflows, ensuring reliable pipeline performance and near real-time reporting.
- Collaborated with cross-functional stakeholders to translate business requirements into scalable analytics solutions and actionable insights.
- Scaled analytics infrastructure from **250+ to 560+ Nano Markets**, supporting increased operational complexity through efficient data systems.
- Initiated the Future Analytics Project, focused on forecasting future job demand and operational requirements through data analysis and predictive insights. The project aims to help business stakeholders anticipate demand trends, optimize workforce planning, and support proactive decision-making using historical and real-time operational data.

- Automated 60% of reporting by integrating **Power BI** with SQL, Oracle, and SharePoint data sources.
- Optimized ETL workflows in **Power Query**, enhancing data consistency and reducing refresh time.
- Developed data models and **20+ DAX measures** for statistical and time intelligence-based insights.
- Built drill-through dashboards that improved decision-making efficiency by **30%**.
- Implemented **Row-Level Security (RLS)** for secure data access control.
- Managed complete dashboard lifecycle from development to production deployment via **Power BI Service**.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering

Gandhi Engineering College

Relevant Coursework: Data Analytics, Machine Learning, Programming, Web Development

2020 – 2024

Higher Secondary Education (+2)

Vyasanagar Junior College

Relevant Coursework: Science Stream (Physics, Chemistry, Mathematics, Biology)

2018 – 2020

PROJECTS

Data and Operation Analyst — Snabbit Technologies

Power BI, Databricks, SQL, Python

Sept 2025 – Apr 2026

- **Operational Data Pipeline & Dashboard Automation:** Automated manual Google Sheets-based tracking into ETL pipelines and real-time dashboards, enabling scalable monitoring across 500+ Nano Markets; built stakeholder-specific dashboards tracking KPIs such as job completion, utilization, and growth; implemented data validation and automated refresh workflows to ensure accuracy and reliability.
- **Demand–Supply Analytics & Workforce Optimization:** Developed models to analyze demand–supply gaps, utilization trends, and market performance at nano-market level; identified breaching markets and short-term deviations to support capacity planning and operational decision-making.
- **Multi-Level BI & Data Modeling Framework:** Built scalable data models aligned with hierarchical business structure (Region → City → Cluster → Micro Market → Nano Market → Hotspot → Hood) for granular analysis; standardized KPI definitions and reporting logic across dashboards to ensure consistency and trust.

CERTIFICATIONS

- [Google Data Analytics Professional Certificate](#) – Coursera
- [IBM Product Management Professional Certificate](#) – Coursera
- [Microsoft Azure Machine Learning](#) – Coursera