# TAPAS ROUT

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## PROFILE SUMMARY

**B.Tech in Computer Science with specialization in Data Analytics**, with **18 months of professional experience** in **Power BI, SQL, Python, and Databricks**. Experienced in **Data modeling, ETL pipeline development, and interactive dashboard creation**, delivering actionable insights through **DAX calculations, report automation, and business intelligence solutions**.

Hands-on experience in integrating **diverse data sources**, optimizing performance, and implementing **Row-Level Security (RLS)** for secure, role-based access. Proficient in **NumPy, Pandas, Matplotlib, and Seaborn** for data manipulation, statistical analysis, and advanced visualizations.

Delivered a freelance analytics project for **Melange**, developing **automated Power BI dashboards, Databricks-based ETL workflows, predictive analytics models, and RLS-driven security**, resulting in improved reporting efficiency and data-driven decision-making.

## SKILLS

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|---|---|
| **BI-Tools** | Power BI, Tableau, Google Analytics, Amazon QuickSight |
| **Programming** | Python, C, Java |
| **Scripting** | NumPy, Pandas, Matplotlib, Seaborn |
| **Database** | SQL, MySQL, MongoDB, Databricks |
| **Cloud Platforms** | Google Cloud Platform, Tableau Cloud , Amazon S3 |
| **Analytics Processing** | Data Cleaning, ETL Design, Dashboarding, Predictive Modeling |
| **Soft Skills** | Analytical Thinking, Communication, Teamwork, Problem-Solving |
| **AI/ML and GenAI:** | LLMs, Agentic AI Tools, RAG pipelines and autonomous agents |

## EDUCATION

**Bachelor of Engineering in Computer Science and Engineering** *2020 – 2024*
Gandhi Engineering College
Relevant Coursework: Data Analytics, Machine Learning, Programming, Web Development

**Higher Secondary Education (+2)** *2018 – 2020*
Vyasanagar Junior College
Relevant Coursework: Science Stream (Physics, Chemistry, Mathematics, Biology)

## EXPERIENCE

**Data and Operation Analyst** Sept 2025 – Present
Snabbit Technologies Pvt. Ltd. *Bengaluru, IN*

- Automated business reporting for sales, finance, and operations using **Power BI**, **SQL Server**, and **Python**, reducing manual reporting time by **65%**.

- Designed and optimized **data models and ETL workflows** using Power Query and SQL, improving data refresh performance by **40%**.

- Built and deployed **interactive dashboards** tracking KPIs such as revenue trends, churn analysis, and product performance.

- Implemented **DAX-based dynamic calculations** for YoY growth, profitability, and customer segmentation.

- Performed **predictive cancellation risk analysis**, scaling order volume from 6K to 12K orders/day and reducing cancellations from 1,500 to under 60/day across India.

- Developed **Python models** for outlier detection and forecasting, improving reporting accuracy by **25%**.

- Streamlined legacy Excel-based reports by migrating them to **Power BI Service** with automated refresh schedules and role-based access.

**Data Analyst Intern** — Oct 2024 – June 2025
Talentele — *Bhubaneswar, IN*

- 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**.

## PROJECTS

**Data and Operation Analyst — Snabbit Technologies** — Sept 2025 - Present
*Power BI, Databricks, Google Sheets, Superset, Python*

- Automated and maintained the **Delta Demand–Supply Dashboard** by extracting data from **Superset databases using SQL** and updating centralized Google Sheets for real-time operational tracking.
- Analyzed **city-wise demand and expert supply** to define daily order intake targets, ensuring optimal capacity utilization across markets.
- Prepared **nano-market–level overtime requirement and capacity planning reports** to support workforce optimization and cost control.
- Monitored expert performance and SLA adherence using **promise-time +30 and +45 minute breach metrics**, enabling proactive issue identification.
- Delivered structured operational insights through **Power BI dashboards**, improving visibility into demand trends, supply gaps, and execution efficiency.
- Collaborated with cross-functional operations teams to ensure **smooth execution across 5 cities**, supporting data-driven decision-making.

**Data Analysis — Melange** — July – Aug 2025
*Power BI, SQL, DAX, ETL, Predictive Analytics*

- Integrated **Power BI** with ERP, SQL Server, and IoT logs to automate data consolidation.
- Developed **ETL pipelines** in Power Query, improving data accuracy by **35%**.
- Engineered a **high-performance data model**, reducing dashboard load time by **45%**.
- Created over **25 advanced DAX measures** for business trend discovery.
- Designed **10+ interactive dashboards** for sales, inventory, and customer insights.
- Automated scheduled report refreshes with **Power BI Service** and On-Premise Gateway.
- Implemented **RLS** ensuring GDPR compliance.
- Built **predictive demand forecasting models**, reducing overstocking costs by **22%**.

## CERTIFICATIONS

- **Google Data Analytics Professional Certificate** – Coursera-certified
- **IBM AI Engineering Professional Certificate** – Coursera-certified
- **Microsoft Project Management Certificate** – Coursera-certified