

RAJAT MOHAN SRIVASTAVA

Data Analyst | Business Intelligence & Applied AI

 Phone: +91 88745 11637

 Email: srajatmohan@gmail.com

 Location: Noida, India

 LinkedIn: [rajatmsrivastava](#)

 Portfolio: [rajat_portfolio](#)

PROFESSIONAL SUMMARY

Data-driven **Data Analyst** with **5 years** of experience building BI solutions, automation and analytics products in telecom and supply-chain domains. Expert in SQL, Power BI, SAP BI, BigQuery and Python; currently focused on Agentic AI, LLM-driven analytics (LangChain, RAG) and productionizing self-service reporting. Proven record of converting raw telecom and operations data into executive storytelling and automation—improving reporting turnaround, reducing manual effort and enabling leadership decisions with clear metrics and client-ready presentations.

Core strengths: Agentic AI & LLMs, RAG pipelines, KPI analytics, BI automation, ETL design, stakeholder management, data governance, presentation automation.

KEY SKILLS & TECHNICAL SUMMARY

AI / LLMs & Analytics

- **Agentic AI Systems** · Large Language Models (**LLaMA-3.1**) · **Ollama** (local LLM deployment)
- **LangChain** (Agents, Chains, Memory) · Retrieval-Augmented Generation (**RAG**) · Vector embeddings · Prompt engineering · Semantic search · **Chunking**/Context optimization.

Data Engineering & Programming

- **Python** (**Pandas**, **NumPy**, scripting & automation) · **SQL** (**MySQL**, MS SQL Server, **BigQuery**) · ETL/ELT design · Data cleaning & validation · Data pipelines (daily/near-real-time).

Business Intelligence & Visualization

- **Power BI** (DAX, Power Query) · SAP BI · **Dashboarding** · **KPI modeling** · Automated PDF/PPT generation · Executive presentations & data storytelling.

Platforms, Tools & Practices

- Google BigQuery · **GCP** · SharePath data repositories · **Jira** & Confluence · Data governance · QA & validation frameworks
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PROFESSIONAL EXPERIENCE

Ericsson India Pvt Ltd — *Data Analyst*

 Noida, India |  Feb 2021 – Present

- Designed and deployed automated **Power BI** solutions for logistics, service KPIs and network performance improving reporting turnaround by ~50% and enabling proactive operational decisions.
- Built scalable SQL-based data models and transformed raw telecom and ticketing datasets into KPI-ready tables used across regional and global dashboards.
- Automated ETL and daily reporting pipelines using Python (**Pandas**, **NumPy**) and **SQL**; reduced manual reporting time and ensured reliable daily updates for executive KPIs.
- Led data quality and validation initiatives (multi-layer checks) reducing reporting errors and anomalies, collaborating with operations, product and leadership to define metric SLAs.

- Partnered with global teams to deliver data storytelling artifacts and dashboards that improved leadership decision-making and transparency.
- Documented BRDs, functional requirements and use cases in Jira/Confluence; operated in Agile sprints to deliver prioritized analytics items.
- Initiated and scaled a reporting automation strategy that decreased repetitive manual work and enabled self-service analytics for non-technical stakeholders.

PROJECT HIGHLIGHTS

1. Agentic AI-Powered Telecom KPI Intelligence Platform

Technologies: LLaMA-3.1, Ollama (local LLM), LangChain (Agents, Tools), RAG, Python, SQL, SharePath, Power BI, PPT/PDF automation

- Architected and implemented an **Agentic AI** system that answers complex telecom KPI queries and automates executive deliverables (PDF reports, PowerPoint decks) for Operations, Market and Leadership teams.
- Designed a **RAG pipeline** (LangChain) to retrieve and synthesize insights from 4+ months of ticketing data stored on SharePath, enabling accurate, contextual responses to natural-language prompts (e.g., "Summarize all aspects of last 4 months' ticket data").
- Integrated the agent with live KPIs produced by ML (MX) models so the system reasons across both historical ticket data and predictive model outputs for root-cause analysis and trend forecasting.
- Deployed LLaMA-3.1 on Ollama locally to maintain data security and cost control while achieving reliable inference for internal users.
- Built agent capabilities for automated deliverables: executive-ready PPTs with narrative slides, visual KPI summaries, and PDF exports—reducing the need for manual analyst intervention.
- Validated production behavior with stakeholders; system consistently delivers high-quality answers with **>94% operational accuracy** (as validated by users).
- Ongoing improvements: embedding design, chunking strategies and retrieval tuning to enhance exact data extraction and context retention for long conversations.

2. SAP BI & Telecom Network Monitoring

Technologies: SAP BI, SQL, Telecom KPIs, Data Modeling, Performance Analytics

- Designed and maintained **SAP BI dashboards** to monitor critical telecom network KPIs including **latency, call drops, signal degradation, throughput, and capacity utilization** across multiple regions.
- Built **optimized data models and query layers** to consolidate raw network performance data into analytics-ready structures for operational and executive reporting.
- Implemented **advanced filtering, drill-down hierarchies, and time-based comparisons** (day/week/month) to enable root-cause analysis of network performance issues.
- Developed **anomaly detection logic** using threshold-based rules and historical baselines to proactively identify abnormal network behavior and performance degradation.
- Enabled **executive-level visibility** into network health, helping leadership prioritize infrastructure improvements and reduce service disruptions.
- Collaborated closely with **network operations and field teams** to validate KPIs, ensure metric accuracy, and align dashboards with real operational workflows.

Impact:

- Improved **network issue identification time** and enhanced reliability of executive reporting.
- Increased stakeholder confidence in SAP BI dashboards as a **single source of truth** for network performance.

3. ETL-Driven Inventory Analysis

Technologies: Python, Pandas, NumPy, Excel Power Query, SQL, ETL Automation.

- Engineered a **Python-based ETL pipeline** to ingest, cleanse, transform, and validate inventory data from multiple operational sources.
- Integrated the ETL pipeline with **Excel Power Query** to enable near-real-time inventory visibility for business users without technical dependencies.
- Automated **data quality checks** include missing value detection, schema validation, and consistency rules to ensure reliable downstream reporting.
- Designed **incremental data refresh logic** to process only new or changed records, significantly improving pipeline performance.
- Delivered **inventory dashboards and summary reports** used by operations and planning teams to track stock movement, shortages, and replenishment cycles.
- Provided clear documentation and handover to business users, enabling **self-service inventory tracking**.

Impact:

- Reduced inventory report delivery time from **1 day to ~30 minutes**.
- Improved operational decision-making by enabling **faster visibility into inventory fluctuations**.

4. Internal BI & Analytics Projects (Power BI, SAP BI, SQL)

Technologies: Power BI, SAP BI, SQL, Python, KPI Modeling, Automation

- Delivered **200+ internal analytics projects** across Power BI, SAP BI, and SQL to support diverse business functions including **operations, finance, logistics, and network performance**.
- Built **custom dashboards, ad-hoc analyses, and automated reports** tailored to specific stakeholder requirements and business KPIs.
- Developed **complex SQL queries and views** involving multi-table joins, aggregations, and performance optimizations to support large-scale reporting.
- Standardized **dashboard templates, KPI definitions, and data validation rules**, improving consistency and reusability across projects.
- Automated repetitive reporting workflows, significantly reducing manual effort and enabling analysts to focus on higher-value analysis.
- Acted as a **go-to analytics partner** for internal teams by translating ambiguous business questions into clear data solutions.

Impact:

- Accelerated analytics delivery cycles and improved stakeholder satisfaction.



Bachelor of Technology in Electrical & Electronics Engineering

CERTIFICATIONS

- ITIL4 Foundation Certified – Peoplecert International Limited.
 - Advanced Excel Formulas & Functions – Udemy.
 - SQL for Data Analysis: Advanced SQL Querying Techniques – Udemy.
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ADDITIONAL INFORMATION

- **Languages:** English, Hindi
- Strong interpersonal, documentation, and stakeholder management skills.
- Interests: Traveling, cooking, and playing keyboard.