

# Koustav Paul

## Analytics Engineer

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### PROFESSIONAL SUMMARY

Results-driven BI & Analytics Engineer with 4+ years of experience designing and delivering end-to-end data solutions using Power BI and Microsoft Fabric. Skilled at transforming raw, multi-source data into high-impact dashboards and semantic models that directly support business decisions. Adept at working across the full analytics stack — from pipeline orchestration and data modelling to DAX development, security implementation, and stakeholder reporting.

### TECHNICAL SKILLS

- **BI & Visualization:** Power BI Desktop & Service, Microsoft Fabric
- **Languages & Query:** SQL, DAX, PySpark
- **Data Modelling:** Star Schema, Snowflake Schema, Fact & Dimension Tables, RDBMS
- **ETL & Pipelines:** ETL Design, Data Pipelines, Lakehouse & Warehouse Schema
- **Cloud Platforms:** Azure Synapse Analytics, Azure Data Lake Gen2, DirectQuery Modelling
- **Security & Governance:** Dynamic Row-Level Security (RLS), On-Premises Data Gateway, Refresh Management
- **Productivity Tools:** Advanced Excel, Power BI Desktop, Power Query Editor, Dax Studio, SSMS

### WORK EXPERIENCE

#### Embee Software Pvt. Ltd.

Associate Software Developer

Kolkata, India

May 2022 – Present

- **Fabric & Pipeline Engineering:** Architected end-to-end data ingestion workflows using Microsoft Fabric — designing Lakehouses, Warehouse schemas, and orchestrating Data Pipelines to reliably process and transform large-scale enterprise data.
- **Dimensional Modelling:** Designed and implemented star-schema models in SSMS, building optimised fact and dimension tables that significantly improved query performance across Power BI reports and dashboards.
- **DAX Development:** Authored advanced DAX measures covering time intelligence, dynamic ranking, running totals, and KPI calculations, delivering accurate and flexible analytical capabilities to business users.
- **Power Query & Data Transformation:** Built reusable Power Query pipelines to cleanse, merge, and reshape data from multiple heterogeneous sources, reducing manual data-prep effort and improving report refresh reliability.
- **Dashboard & Report Delivery:** Designed and published interactive, executive-level Power BI dashboards aligned to stakeholder KPIs — enabling self-service analytics and data-driven decision-making across business units.
- **Security Implementation:** Configured Dynamic Row-Level Security (RLS) and managed on-premises data gateways, ensuring role-based data access and secure, compliant reporting for enterprise users.
- **SQL Optimisation:** Wrote and tuned T-SQL views, stored procedures, and queries to support efficient data extraction, improving report load performance and reducing processing overhead.
- **Stakeholder & UAT Management:** Led requirements-gathering sessions with business stakeholders, facilitated UAT cycles, and resolved data discrepancies promptly — ensuring high-quality, on-time deliverables.

### CERTIFICATIONS

- [Microsoft Certified: Data Analyst Associate \(PL-300\)](#)
- [Microsoft Certified: Fabric Analytics Engineer Associate \(DP-600\)](#)
- [Microsoft Certified: Fabric Data Engineer Associate \(DP-700\)](#)

### EDUCATION

#### Bachelor of Technology — Information Technology

Techno India Salt Lake, Kolkata

Graduated: 2022

CGPA: 7.99 / 10