# Mehakarkar O

Technical consultant, 12+ years experience
Pune, India
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Seasoned technical lead with 12 years experience delivering data driven, AI based, and automation first solutions across pharma, BFSI, and manufacturing. Expert at architecting scalable data pipelines, intelligent machine learning models, and automated workflows that boost efficiency, governance, and ROI. Adept at leading global teams to integrate complex systems ensuring seamless end to end solutions that turn innovative concepts into enterprise grade reality.

**INDUSTRIES:** Pharmaceutical

## TECHNICAL SKILLS

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|---|---|
| • Python | 10 years |
| • SQL Server | 10 years |
| • Azure Data Bricks | 7 years |
| • Data Warehousing | 7 years |
| • Power Automate | 6 years |
| • PowerBI | 4 years |
| • Java | 3 years |
| • JavaScript | 3 years |

## SOFT SKILLS

Team leadership, Problem-solving, Critical thinking

## PROJECT DETAILS

• AI Performance Analytics January-2025 - June-2025

Project Description: Architected and delivered a custom analytics platform for a pharma client post-demerger, providing end-to-end visibility across AI and RPA operations. Designed an enterprise SQL Server (100+ tables, 50+ SPs), built SSAS models and SSIS ETL with monthly-partitioned cubes and automated refreshes, led data migration and role-based dashboards achieving 80% reduction in monitoring time and simplified bot governance.

Responsibilities: Architected end-to-end analytics platform to deliver AI & RPA performance visibility. Designed enterprise SQL Server schema (100+ tables) and authored 50+ stored procedures and 20+ functions for KPI tracking and bot config. Led SSAS model design and SSIS ETL development with monthly-partitioned cubes and automated SQL Agent refresh jobs. Coordinated data migration from parent systems and ensured clean separation for business continuity. Developed role-based Power BI dashboards and enforced RLS for executive and domain access. Implemented centralized logging, monitoring, and alerting to reduce monitoring time by ~80%. Drove governance, documentation, and handover to operations for maintainability and scale.

Technologies: Sql Server, SSAS, Power Automate

Industry: Pharmaceutical

• CM Alerts Classification April-2024 - December-2024

Project Description: ed design and delivery of a scalable predictive risk classification platform to detect counterfeit, expiry, and invalid-order risks across the supply chain. Integrated SAP S/4HANA, ICH and ATTP sources with Azure pipelines (ADF, Databricks, ADLS), Azure ML scoring, and SAP BTP API actions. Built OLAP and real-time insights (Synapse, Power BI) with end-to-end observability and security, driving ~$3M annual savings and measurable reductions in recalls and manual triage.

Responsibilities: Owned data engineering architecture and end-to-end solution design for the SCM alerts platform. Designed and implemented ADF ingestion pipelines to process 10M+ alerts/day and orchestrated Databricks (PySpark) enrichment. Defined data lake schema and partitioned Parquet strategy in ADLS for scalable storage and query performance. Developed Azure ML scoring workflows and productionized models; integrated inference results into SAP via BTP APIs to trigger automated actions. Built Synapse-based OLAP/real-time layers and Power BI dashboards with role-based access for operational and executive insights. Implemented observability, monitoring, and security controls (Azure Monitor, Key Vault, logging/telemetry). Tuned pipeline performance, managed costs, and enforced data governance and compliance for post-demerger separation. Coordinated cross-functional stakeholders, led deployments, and validated business impact (20% fewer recalls, 30% fewer invalid orders, 50% reduction in manual triage).

Technologies: SAP S/4HANA, ICH, ATTP, SAP BTP (APIs), Azure Data Factory (ADF), Azure Databricks, Apache Spark, PySpark, Python, Azure Data Lake Storage (ADLS), Parquet, Azure Machine Learning, Synapse Analytics, Power BI, Azure Monitor, Azure Key Vault

Industry: Pharmaceutical

## EMPLOYMENT HISTORY

• Technical consultant August-2013 - August-2025

Description: Architect end-to-end analytics & automation platforms (SQL Server, SSIS/SSAS, Synapse, Power BI). Design high-throughput ingestion & ML pipelines (ADF, Databricks, Azure ML) handling 10M+ events/day.Build observability, telemetry, and self-healing automation (Azure Monitor, Grafana/Kibana). Lead cross-functional teams, manage data migrations, governance, and security. Deliver centralized logging, configuration, and dashboards to drive operational efficiency and multimillion-dollar savings.

## CERTIFICATION

• Azure data engineer certification by Microsoft 2023

## EDUCATION

• Bachelors degree in Computer Science from Swami Ramanand Teerth Marathwada University 2009 - 2013

## LANGUAGES

• English - advanced

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