

Mohammed Rijwan

SENIOR MLOPS ENGINEER

IMPACT

7+	100+
Yrs Prod ML	ML Pipelines

350	40%
TPS · <150ms	Cost Saved

CONTACT

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CORE SKILLS

MLOPS & DEVOPS

MLflow	Kubernetes	Docker	CI/CD
Azure DevOps	Jenkins	LLMOPs	Feast

CLOUD & DATA

Azure Databricks	ADF	ADLS	Spark	Hadoop
Airflow	Redis	Terraform		

PROGRAMMING & ML

Python	PySpark	SQL	FastAPI	Flask
ONNX	TensorFlow	NLP	Scikit-Learn	Keras

MONITORING & OBSERVABILITY

Grafana	Prometheus	Data Drift	Concept Drift
SLA Monitoring			

EDUCATION

B.Tech — Electronics & Communication

Dr. B R Ambedkar NIT, Jalandhar

2014 – 2018 · CGPA 7.07

Placement Coordinator (70+ companies) · Robotics Society

12th CBSE — 88%

Kendriya Vidyalaya No.5, Bathinda Cantt
2013 · Head Boy

CERTIFICATIONS

- ML in Production · DeepLearning.AI
- TensorFlow for AI/ML · DeepLearning.AI
- Neural Networks & DL · Stanford/Coursera
- Machine Learning · Stanford/Coursera
- ML A to Z · Udemy
- Python for Data Science · LinkedIn

COMMUNITY & TEACHING

- Think with Riz — YouTube channel on ML & AI
- Udemy Instructor — 3,000+ students enrolled in 24h
- 4,557+ LinkedIn followers
- Kaggle practitioner — ML competitions

MLOps & DataOps Engineer with 7+ years building production-grade ML systems at Fortune 500 scale. Expert in end-to-end model delivery — from distributed Databricks training to real-time Kubernetes inference at **350 TPS**. Led teams of 10, managed 100+ production pipelines, and cut infrastructure costs by up to 40%. LLMOPs practitioner and tech educator whose free ML course drew **3,000+ enrolments in 24 hours**.

EXPERIENCE

Senior Engineer — MLOps

Dunnhumby · Gurugram · On-site

Jul 2025 – Present

- Driving MLOps & DevOps capability inception for the Data Science org at a global retail analytics leader, establishing **ML lifecycle standards** and pipeline orchestration frameworks.
- Partnering with data scientists and platform engineers to design scalable, enterprise-grade model delivery workflows across the organisation.
- Setting up production monitoring infrastructure, automated model retraining, and CI/CD best practices for ML systems.

MLOps LLMOPs Azure CI/CD DataOps

Senior MLOps Engineer → MLOps Engineer → Senior Analyst

Tiger Analytics · Hyderabad · Remote · 4 yrs

Jun 2021 – Jul 2025

- Managed **100+ production ML & monitoring pipelines** (data + concept drift) for Fortune 500 retail — fail-safe, fully observable, SLA-compliant.
- Built real-time product ranking service with ONNX + Kubernetes + Docker, achieving **350 TPS at <150ms latency**, cutting deployment cost by **40%**.
- Led MLOps team of **10 engineers** (Agile); operationalised PySpark propensity models on Databricks with ADF scheduling and full CI/CD — reduced infra cost by **15%**.
- Built embedding-based vector search pipeline, feature store (Feast), and end-to-end ML drift monitoring infrastructure.
- Implemented enterprise-grade model registry, versioning, and automated retraining triggers using MLflow; standardised MLOps practices across 3 client accounts.

Kubernetes ONNX MLflow Databricks FastAPI PySpark ADF Feast

Tech Lead → Data/Analytics Engineer → GET

Jio (Reliance Industries) · Mumbai · On-site · 3 yrs

Jul 2018 – Jun 2021

- SPOC for platform data solution — built enterprise data ingestion framework (MySQL, SAP HANA, PostgreSQL, MongoDB, REST API → Hadoop Data Lake) serving **multiple business units**.
- Built Python REST APIs (Flask) for unified data distribution; created auto-generated API endpoints from Hive queries for seamless cross-team data access.
- Deployed containerised APIs on Kubernetes via Jenkins + Docker; delivered NLP, speech processing, and association-rule ML solutions for business stakeholders.
- Full-Stack/DevOps rotation: built transformer fault analysis tool, microservices for automated GitLab integration, and end-to-end data dashboards.

Python Flask Spark Hadoop Airflow Docker Kubernetes Jenkins

KEY PROJECTS

Real-Time ML Product Ranking Service

Tiger Analytics

End-to-end real-time model serving: ONNX packaging → Docker containerisation → Kubernetes deployment with horizontal/vertical auto-scaling. Achieved **350 TPS at <150ms p99 latency** with **40% cost reduction** vs. previous architecture.

Production Model Monitoring Platform (100+ Models)

Tiger Analytics · Fortune 500

Enterprise monitoring platform tracking data drift, concept drift, and performance degradation across 100+ production models. Automated alerting and retraining triggers with full observability dashboards.

Batch MLOps Pipeline — Propensity Model

Tiger Analytics

PySpark propensity model on Azure Databricks with ADF scheduling, full CI/CD via Azure DevOps, and automated drift monitoring. Achieved **15% infrastructure cost savings** through Spark optimisation.

API as a Data Source & Distribution Framework

Jio / Reliance Industries

Platform to ingest data from REST APIs (Basic, Token, Dynamic, NTLM auth) into Hadoop. Companion framework auto-generated Flask API endpoints from Hive for seamless data distribution across business units.

RECOGNITION & AWARDS

- TechGig Python Rank #217 / 66,818 · 99.68%ile
- Robotics Gold · UIET Chandigarh
- Robotics Gold · DAVIET Jalandhar
- 3,000+ Udemy enrolments in 24 hrs
- TechGig Coding Semifinals · 150K+ participants
- Head Boy — KV Bathinda Cantt