

# Mohammed Rijwan

SENIOR MLOPS ENGINEER

## IMPACT

<b>7+</b> Yrs Prod ML	<b>100+</b> ML Pipelines
<b>350</b> TPS · <150ms	<b>40%</b> 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

Jul 2025 – Present

Dunnhumby · Gurugram · On-site

- ▶ 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

Jun 2021 – Jul 2025

Tiger Analytics · Hyderabad · Remote · 4 yrs

- ▶ 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

Jul 2018 – Jun 2021

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

- ▶ 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