Aisha Kaur — MLOps Engineer

Years of Experience: 10
Master's in Electrical Engineering

AISHA KAUR
MLOps Engineer
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SUMMARY
Seasoned engineering professional with ten years of experience in data processing, machine learning, and cloud-based infrastructure. Proven ability to design, deploy, and maintain end■to■end MLOps pipelines that scale to millions of predictions per day. Passionate about bridging the gap between complex ML models and production reliability.

SKILLS
Python, TensorFlow, PyTorch, Kubernetes, Docker, CI/CD, Git, MLflow, AWS, Azure, GCP, Apache Airflow, Spark, SQL, REST APIs

EXPERIENCE

- Led end■to■end MLOps workflows for multi■model serving at scale, handling 5 M+ predictions per day.
- Designed blue■green deployment and rolling update strategies to minimize downtime.
- Collaborated with data science teams to productionize models using MLflow tracking and TensorFlow Serving.

- Implemented CI/CD pipelines with GitLab CI and Docker to streamline deployment of ML services.
- Configured Kubernetes clusters on AWS EKS and Azure AKS for high■availability model inference.
- Developed monitoring dashboards with Prometheus and Grafana for system health and latency.

- Built and deployed predictive models for customer churn using TensorFlow and PyTorch.
- Integrated models into microservices, enabling A/B testing across multiple regions.
- Automated feature engineering pipelines with scikit■learn and featuretools.

- Designed and maintained scalable data pipelines using Spark and Python for real■time analytics.
- Implemented data ingestion from IoT devices into cloud storage and data lakes.
- Optimized ETL workflows, reducing data processing time by 40%.

EDUCATION

Master's, Electrical Engineering - Massachusetts Institute of Technology, Cambridge, MA (2015)

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