Asha Patel — MLOps Engineer

Years of Experience: 9
Bachelor of Science in Statistics

ASHA PATEL
MLOps Engineer
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SUMMARY
Seasoned MLOps Engineer with nine years of experience building scalable machine learning pipelines and automating model deployment across cloud platforms. Adept at integrating data science workflows into CI/CD pipelines and ensuring high reliability and performance of ML services. Passionate about bridging the gap between data science and production engineering to deliver impactful AI solutions.

SKILLS
Python, TensorFlow, PyTorch, scikit■learn, Docker, Kubernetes, AWS, GCP, Azure, Terraform, Jenkins, Git, Airflow, MLflow, Prometheus, Grafana, SQL, Data Engineering, CI/CD, Model Ops

EXPERIENCE

- Architected and managed an end■to■end MLOps platform, establishing CI/CD pipelines, a central model registry, and automated monitoring systems.
- Integrated MLflow for model lineage tracking and Prometheus/Grafana for real■time performance dashboards, reducing model drift detection time by 40%.
- Implemented Infrastructure as Code with Terraform to provision scalable Kubernetes clusters across AWS and GCP, achieving 99.9% uptime for production ML services.

- Led a team of data scientists to develop deep learning solutions for computer vision tasks, resulting in a 25% improvement in prediction accuracy.
- Optimized model training throughput by integrating GPU clusters and automated hyperparameter tuning workflows, cutting training time from 48 hours to 12 hours.
- Collaborated closely with DevOps to establish reproducible, version■controlled ML pipelines, enabling rapid experimentation and deployment.

- Designed and deployed end■to■end ML models for customer segmentation and churn prediction, driving a 15% increase in retention for key clients.
- Streamlined feature engineering pipelines using Pandas and Spark, improving data processing speed by 30%.
- Deployed models to production with Docker containers and AWS SageMaker, enabling seamless scaling and version management.

- Analyzed large■scale datasets to uncover critical business insights and emerging market trends.
- Created interactive dashboards with Tableau and Power BI, increasing stakeholder data literacy and decision■making speed.
- Collaborated with cross■functional teams to refine data collection processes, improving data quality and consistency.

EDUCATION

Bachelor of Science in Statistics | Midwest State University, Chicago, IL | 2014