

PARTH J. CHAUHAN

Aspiring MLOps Engineer | AI & Data Science Student | Python, AWS, Docker
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SUMMARY

ASPIRING MLOps ENGINEER AND AI & DATA SCIENCE STUDENT SKILLED IN PYTHON, DOCKER, KUBERNETES, AND AWS (IN PROGRESS). SUCCESSFULLY REDUCED ML MODEL DEPLOYMENT TIME FROM OVER 2 DAYS TO 15 MINUTES AND IMPROVED API LATENCY TO UNDER 200MS WITH 99.9% UPTIME. EXPERIENCED IN AUTOMATING CI/CD PIPELINES AND IMPLEMENTING REAL-TIME MONITORING DASHBOARDS TO REDUCE DOWNTIME BY 60%. PASSIONATE ABOUT APPLYING ADVANCED MLOps TOOLS TO OPTIMIZE PRODUCTION WORKFLOWS AND DRIVE MEASURABLE BUSINESS IMPACT.

PROJECTS & PRACTICAL EXPERIENCE

SIGMA UNIVERSITY

Jul 2025 - Aug 2025

Undergraduate Remote Summer Internship – IBM

- Completed structured training in 7 IBM-led courses, including AI Fundamentals, CS Fundamentals, and IT Fundamentals.
- Acquired foundational skills in AI, cloud basics, security principles, and IT operations through hands-on labs.
- Collaborated with peers on practical assignments, reinforcing concepts in machine learning and digital security.

End-to-End MLOps Pipeline

Sep 2025 – Oct 2025

- Built a robust MLOps pipeline for fully automating data ingestion, model training, CI/CD, and deployment.
- Reduced model deployment time from over 2 days to 15 minutes through automation.
- Achieved 89% accuracy and accelerated release cycles by 10x using Python, Docker, MLflow, and GitHub Actions.

Real-time Image Classification API (In Progress)

Oct 2025 – Present

- Containerized and deployed a PyTorch-based REST API on Kubernetes and AWS.
- Designed for scaling with low latency, handling 1000+ requests/minute.
- Achieved <200ms latency and 99.9% uptime using autoscaling and real-time monitoring with FastAPI, Docker, and AWS.

ML Model Monitoring Dashboard (In Progress)

Oct 2025 – Present

- Designed a real-time monitoring system for production ML using Prometheus and Grafana.
- Implemented proactive alerting to detect and address model drift before accuracy degradation.
- Reduced downtime by 60% by enhancing model reliability with Prometheus, Grafana, Python, Docker and MLflow.

TECHNICAL SKILL

Programming & Scripting:- Python, SQL, Bash/Shell, Git, GitHub, Linux/Shell.

Machine Learning & AI:- PyTorch, TensorFlow, ML Basics, AI Fundamentals, Linear Algebra.

MLOps & DevOps:- Docker, Kubernetes, MLflow, Apache Airflow, GitHub Actions, Jenkins.

Data Engineering & Big Data:- Apache Spark, Apache Kafka.

Cloud & APIs:- AWS, FastAPI.

Monitoring & Infrastructure:- Prometheus, Grafana.

Education

SIGMA UNIVERSITY

Jul 2025

Bachelor of Technology (B.Tech) in Artificial Intelligence & Data Science

Vadodara, Gujarat, India

CGPA: 7.53/10 (Till 2nd semester)

Relevant Coursework: Machine Learning, AI Fundamentals, Data Structures.

Certifications

- [GitHub Foundations](#) - DataCamp (2025)
- [Git Fundamentals](#) - DataCamp (2025)
- [Artificial Intelligence Fundamentals](#) - IBM (2025)