Zia ur Rahman

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Professional Summary

Motivated and self-taught MLOps enthusiast currently pursuing a Bachelor's degree in Computer Science. Passionate about automating ML workflows, deploying scalable models, and learning real-world DevOps tools. Experienced in project-based learning, including containerization, CI/CD pipelines, and cloud technologies. Eager to contribute to impactful projects and grow as an MLOps engineer.

Skills

- **Languages:** Python, Bash, YAML, SQL,C++
- **MLOps Tools:** Docker, Kubernetes, MLflow, DVC, Git, GitHub Actions
- **ML Frameworks:** Scikit-learn, TensorFlow, PyTorch
- **DevOps:** CI/CD, Linux, Jenkins, Monitoring (Grafana)
- **Cloud:** GCP (basics),Azure (basics) FastAPI, Flask

Projects

6. CI/CD Pipeline for ML Model Deployment
Tools: Python, FastAPI, Docker, GitHub Actions
Orchestrated a CI/CD pipeline for a Titanic survival prediction model using FastAPI. Built automated workflows using GitHub Actions to test, build, and deploy the Dockerized ML model application on every push to the repository. Ensured repeatable deployment through containerization.
GitHub: github.com/ziaurrahman/ml-cicd-titanic

7. Dockerized Machine Learning Application with FastAPI
Tools: Python, Scikit-learn, FastAPI, Docker
Developed a machine learning application with FastAPI to expose trained model predictions via API endpoints. Containerized the entire application using Docker for scalable deployment across environments.
GitHub: github.com/ziaurrahman/docker-ml-fastapi

8. Loan Approval Classifier Deployment on Azure Cloud
Tools: Python, Azure ML, Scikit-learn, FastAPI, Docker
Built an end-to-end MLOps pipeline on Azure for a loan approval prediction system. Incorporated preprocessing, model training, containerization with Docker, and deployment using Azure ML services.
GitHub: github.com/ziaurrahman/loan-approval-azure .

Education

Bachelor of Science in Computer Science
Pak-Austria Fachhochschule Institute of Applied Sciences and Technology, haripur, Pakistan
Expected Graduation: 2026
Project-Based Curriculum & Self-Driven Learning in MLOps, Machine Learning, and DevOps

Learning Approach

- Self-taught key MLOps concepts through real-world projects and GitHub repositories.
- Continuously experimenting with tools like Docker, GitHub Actions, and MLflow for workflow automation.
- Following courses and research papers to stay updated with modern MLOps practices.

Additional

- **Languages:** English (Fluent), Urdu (Native)
- **Soft Skills:** Self-learner, Time Management, Team Collaboration, Problem Solving
- **Availability:** Open to internships, remote projects, and entry-level MLOps roles