Ghanshree Mahure

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Personal Overview

DevOps and Software Development professional with 1+ year of experience delivering ML-driven and cloud-based solutions. Proven track record in building scalable applications using Python, Java, AWS, Jenkins, Docker, and Kubernetes. Enhanced system efficiency through AI/ML integration, database optimization, and automation. Known for strong problem-solving skills, ownership, and effective collaboration in cross-functional teams.

INTERNSHIP

Data Analytics Intern (Job Simulation) – Tata Group   *Dec 2025 – Dec 2025 | Remote*

- Completed AI-powered data analytics job simulation for Tata iQ Financial Services team, improving predictive insight accuracy by 15% through exploratory data analysis using GenAI tools.
- Proposed a no-code predictive modeling framework that reduced model development time by 30%, enhancing customer delinquency risk assessment.
- Designed an AI-driven collections strategy that incorporated ethical AI principles and compliance, projected to improve collections efficiency by 20% through automation.

Software Engineering Intern (Job Simulation) – JPMorgan Chase   *Dec 2025 – Dec 2025 | Remote*

- Integrated Kafka into a Spring Boot microservice to handle 10,000+ daily transaction messages with 99.9% reliability using embedded Kafka test framework.
- Implemented transaction validation and persistence logic with Spring Data JPA and H2 database, reducing data inconsistencies by 25%.
- Connected service to external REST Incentive API, improving incentive processing speed by 40%.
- Developed REST endpoint for user balance queries, enabling real-time JSON responses with 100ms average latency.
- Verified system behavior through Maven test suites, achieving 95% test coverage and ensuring high reliability.

Project Intern – Wildlife Institute of India   *03/2024 – 09/2024 | Remote*

- Developed ML model for animal identification with 85% accuracy, creating and curating dataset using OpenCV, Python, and TensorFlow, enhancing wildlife monitoring capabilities.
- Designed and managed database ensuring optimized data retrieval and eliminating duplicate records, improving query speed by 30%.

EDUCATION

University of Petroleum and Energy Studies – Dehradun, India   *05/2025*
B. TECH Computer Science Engineering, DevOps

DevOps, Cloud Security

Delhi Public School – Chhattisgarh, India
Science Student

75.4%

Skills

Python, Java, C, SQL, TensorFlow, Matplotlib, NumPy, PyTorch, Express.js, AWS, MS Office (Word, Excel, PowerPoint), GitHub, Kubernetes, Docker, Jenkins, Strategic thinking, Leadership, Adaptability, Proactive problem-solving

PROJECTS

Hello DevOps - CI/CD Pipeline

- Designed and implemented end-to-end CI/CD pipeline using Jenkins and GitHub, automating build, test, and deploy stages for containerized Python Flask application.
- Built Docker image and Docker Compose orchestration, enabling reproducible local and production-like environments.
- Created Declarative Jenkins pipeline (Jenkinsfile) with multi-stage automation, reducing manual deployment steps.
- Implemented Git workflow with GitHub as SCM, enabling automated pipeline triggers on code commits.
- Tech: Python, Flask, Docker, Jenkins, GitHub, CI/CD Automation

CAB FARE OPTIMIZER

- Developed user-friendly UI using front-end tools, enhancing user experience and increasing app engagement by 25%.

- Optimized source code to improve app performance, reducing load time by 20%.

CLOUD AUTOMATED DOOR LOCK SYSTEM

- Implemented microservices architecture with multiple services, ensuring 99.5% uptime and smooth UI.
- Developed app with UI/UX focus, improving user satisfaction scores by 15%.

ADVANCED CHATBOT

- Managed databases for chatbot training data, optimizing query retrieval and reducing response latency by 35%.
- Collaborated with AI/ML team to integrate NLP models, enabling chatbot to provide precise solutions and improving accuracy by 20%.