Biswajit pattanayak

+91 6370378154 | biswajitpattanaik453@gmail.com | portfolio website | github profile | linkedin profile

PROFILE SUMMARY

Aspiring DevOps Engineer with hands-on experience in **Docker, Kubernetes, Jenkins, and AWS**. Proficient in building **CI/CD pipelines**, deploying **containerized applications**, and managing **Linux-based systems**. Strong understanding of **cloud-native architectures, automation, and DevOps best practices** to reduce deployment time and improve system reliability.

EDUCATION

Fakir Mohan University   Balasore, Odisha
  Master of Computer Applications (MCA)   *2024 – 2026*
Utkal University   Bhubaneswar, Odisha
  Bachelor of Science (B.Sc.)   *2021 – 2024*
  ● Ranked in **Top 10%** academically

SKILLS

Technical skills:

DevOps & Tools: Docker, Kubernetes, Jenkins (CI/CD), Terraform, Ansible, Maven,Nexus

Cloud Platforms: AWS (EKS, EC2), GKE

OS & Version Control: Linux (Ubuntu), Git, GitHub

Scripting & Config: Bash, YAML

EXPERIENCE

Bariflo Cybernetics Pvt. Ltd. — *DevOps Intern*

 July 2025 – Present | Bhubaneswar

● Deployed and managed production applications (**Autofeeder, Feedtray, Feeder Maintenance, Inkless**) on **Ubuntu Linux**, including database setup, static IP configuration, and system optimization, **reducing deployment time using Docker-based containerization**.
● Implemented **Docker-based CI/CD pipelines with Jenkins** and migrated source code to **GitHub**, enabling faster, repeatable deployments, improved version control, and higher release reliability.

PROJECTS

Two-Tier Flask Application Deployment

● Deployed a **two-tier Flask-based Todo application** with a **MySQL backend**, designed for scalability and high availability.
● Containerized the application using **Docker and Docker Compose**, enabling consistent environments and streamlined deployments via **Docker Hub**.
● Automated Kubernetes cluster provisioning using **kubeadm** and migrated workloads to **AWS EKS** to improve **fault tolerance, availability, and cloud scalability**.

End-to-End CI/CD Implementation — Jenkins

● Designed and implemented **end-to-end CI/CD pipelines** in **Jenkins** for microservices, automating build, test, and deployment processes and **reducing deployment time by 40%**.
● Integrated Jenkins with **Git, Maven, Docker, and Kubernetes** to create scalable and efficient CI/CD workflows.
● Built both **Declarative and Scripted pipelines**, implementing **automated rollback on failure** to improve system reliability.
● Implemented **Pipeline-as-Code using Jenkinsfiles** stored in Git, enabling version-controlled, repeatable, and collaborative deployments.