

ADITYA KUMAR PRASAD

Dhanbad, Jharkhand

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LinkedIn

Github

🌐 Portfolio

Education

Gandhi National College (Affiliated to Utkal University)
Bachelor of Computer Applications (BCA)

Sep 2023 – Jul 2026
Bhubaneswar, Odisha

Experience

Pearl Thoughts Pvt. Ltd

Dec 2025 – Jan 2026

DevOps Engineer Intern (Winter Cohort)

Remote

- Automated cloud infrastructure and deployed scalable **Strapi applications** on **AWS ECS Fargate**.
- Provisioned infrastructure using **Terraform**, ensuring consistent environments across development and production.
- Built **CI/CD pipelines** with **GitHub Actions** for Docker image build and deployment.
- Implemented **Blue/Green deployments** using **AWS CodeDeploy** to achieve zero-downtime releases.
- Monitored application logs and metrics using **AWS CloudWatch**.

Bharat Coking Coal Limited

Jun 2025 – Jul 2025

DevOps Intern

Dhanbad, Jharkhand

- Built and deployed a **Django-based task management system** on Ubuntu **AWS EC2**.
- Migrated applications from local servers to **Docker** containers, reducing deployment time by **40%**.
- Automated build, test, and deployment workflows using **Jenkins CI/CD pipelines**.
- Performed Linux server configuration, firewall setup, and service monitoring.

Projects

Automated Blue/Green Deployment of Strapi CMS [💻 Code]

DevOps Deployment • AWS • IaC

AWS ECS Fargate, Terraform, Docker, GitHub Actions

- Designed a containerized architecture using Docker for Strapi CMS, PostgreSQL, and Nginx reverse proxy.
- Provisioned complete AWS infrastructure (VPC, ECS, ALB, Security Groups) using **Terraform (IaC)**.
- Implemented zero-downtime **Blue/Green deployments** using **AWS CodeDeploy** and ALB traffic shifting.
- Automated Docker image builds and pushes to **Amazon ECR** using **GitHub Actions**.
- Optimized costs with **AWS Fargate Spot** and monitored performance via CloudWatch.

Django To-Do List Application [💻 Code]

AWS • Docker • CI/CD

Django, Docker, Jenkins, AWS EC2

- Developed a full-stack Django task management application with CRUD functionality.
- Implemented authentication and real-time logging for secure task tracking.
- Deployed the application on **AWS EC2** using Docker Compose for reproducible environments.
- Integrated CI/CD pipelines to automate build and deployment processes.

Technical Skills

- **Programming & Scripting:** Python, C/C++, JavaScript, SQL (MySQL/PostgreSQL), Bash
- **Cloud & DevOps:** AWS (EC2, ECS Fargate & Spot, ECR, ALB, CloudWatch, CodeDeploy, IAM), Docker, Terraform, GitHub Actions, Jenkins, CI/CD
- **Systems & Tools:** Linux/Unix, Nginx (Reverse Proxy), Strapi CMS, Git/GitHub, HTTP/HTTPS

Certifications & Coursework

- AWS Certifications — Basics, Security, Compute, Storage (Amazon)