

Aditya Kumar Prasad

Dhanbad, Jharkhand

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LinkedIn | GitHub | Portfolio

EDUCATION

Gandhi National College (Affiliated to Utkal University) <i>Bachelor of Computer Applications (BCA)</i>	Sep 2023 – Jul 2026 Bhubaneswar, Odisha
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EXPERIENCE

Pearl Thoughts Pvt. Ltd <i>DevOps Engineer Intern (Winter Cohort)</i>	Dec 2025 – Current Remote
<ul style="list-style-type: none">Collaborated directly with the Founder and engineering team in technical review meetings to align infrastructure strategy with product requirements.Engineered containerized application deployments on AWS ECS Fargate using Docker.Defined Infrastructure as Code using Terraform to standardize environment provisioning.Designed CI/CD automation workflows using GitHub Actions to streamline build and deployment lifecycle.Executed Blue/Green deployment strategy via AWS CodeDeploy ensuring zero-downtime releases.Implemented centralized logging and monitoring using AWS CloudWatch.	
Criminal Investigation Department <i>Cyber Security Intern</i>	Jul 2025 – Aug 2025 Ranchi, Jharkhand
<ul style="list-style-type: none">Performed system and network log analysis to support incident investigation workflows.Examined network traffic (TCP/IP, DNS, HTTP/HTTPS) for anomaly detection.Documented escalation procedures and incident response processes.Strengthened troubleshooting and analytical reasoning capabilities.	
Bharat Coking Coal Limited <i>DevOps Engineer Intern</i>	Jun 2025 – Jul 2025 Dhanbad, Jharkhand
<ul style="list-style-type: none">Participated in meetings with IT supervisors to gather infrastructure and deployment requirements.Deployed a cloud-based attendance management system on Ubuntu AWS EC2.Reduced deployment time by 40% by migrating applications into Docker containers.Built Jenkins CI/CD pipelines to automate testing and deployment stages.Configured Linux server environment, firewall policies, and service monitoring controls.	

PROJECTS

Automated Blue/Green Deployment of Strapi CMS 	AWS — Terraform — Docker
<ul style="list-style-type: none">Architected container-based CMS deployment using Docker, ECS Fargate, and Application Load Balancer.Provisioned AWS networking components (VPC, subnets, security groups) using Terraform.Configured traffic shifting deployment strategy using AWS CodeDeploy.Automated Docker image lifecycle with GitHub Actions and Amazon ECR.Monitored performance metrics using CloudWatch dashboards.	
CloudForge – Automated Infrastructure Provisioning Framework 	AWS — Terraform — Docker — CI/CD
<ul style="list-style-type: none">Built modular Terraform modules for reusable AWS infrastructure provisioning.Structured secure VPC architecture including IAM role configuration and access control.Enabled container portability through Docker-based packaging standards.Integrated CI/CD validation workflows to enforce infrastructure consistency.Applied least-privilege IAM policies to strengthen security posture.	
Event-Driven Reporting Pipeline 	AWS — Lambda — EventBridge — S3 — Terraform
<ul style="list-style-type: none">Developed serverless event-driven processing system using AWS Lambda and EventBridge.Automated scheduled report generation via EventBridge rules.Designed structured S3 storage workflow (raw, processed, reports).Provisioned infrastructure resources using Terraform (Infrastructure as Code).Implemented monitoring and log aggregation with Amazon CloudWatch.	

TECHNICAL SKILLS

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

CERTIFICATIONS & COURSEWORK

- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** → View Credential
- AWS Certifications Coursework** — Compute, Storage, Security, IAM → View Badges