

# Dipanjjan Das

📍 Kolkata, West Bengal, India    ✉ dipanjanrick2002@gmail.com    ☎ 8918791675    🌐 [dipanjjan1129](#)

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## SUMMARY

DevOps fresher with knowledge of CI/CD, version control, and cloud platforms, seeking to apply skills in automating workflows and enhancing collaboration between development and operations teams.

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## EXPERIENCE

### Devops Intern

May 2023 - June 2023

#### EDUMOON

- Automated CI/CD Pipeline for Django Web Application using AWS, Docker, Jenkins and Kubernetes.
- A Real time CI/CD Pipeline on Jenkins with GitHub Integration and a system designed to handle Database, Server and orchestration using Docker, Jenkins, AWS, and Kubernetes.
- Redesigned environment architecture to reduce deploy time from 3 days to 2 hours, improving overall performance by 95%.
- Reduced manual intervention time by automating critical processes and deployments leading to a 55% increase in operational efficiency.
- Ensured continuous integration and deployment with production using Kubernetes with zero downtime.

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## PROJECTS

### CICD Pipeline for Java Application to deploy on Kubernetes Cluster using Jenkins

- Developed a CICD pipeline for Java application comprising of Jenkins for CI build, SonarQube for code quality checks, Nexus Repository for dependency management for deployment on Kubernetes cluster based on GIT branching model.
- Automated the end-to-end delivery pipeline in a single job to publish binaries in the web server with a release version, decreased deployment time by 90% and improved system efficiency by 70%.
- Employed technologies such as GIT, Maven, Jenkins, Nexus and Kubernetes for managing code, integration and deployments.

### Automated CI/CD Pipeline for Django Web Application using AWS, Docker, Jenkins and Kubernetes

- Real time CI/CD Pipeline on Jenkins with GitHub and a system designed to handle Database, Server and orchestration using Docker, Ansible.

### Manage, Secure, Validate, Debug, Monitor, Hardening and Prevent Misconfiguration of Kubernetes.

- Prevent Kubernetes Misconfigurations from reaching Production with Datree.
- Managing Kubernetes Clusters proficiently With Lens.

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## EDUCATION

### •Bachelor of Technology in Computer Science and Technology (2024)

Madhav Institute of Science and Technology (MITS) • Gwalior, Madhya Pradesh • 8.00

### •Diploma in Civil Engineering (2021)

Oriental Institute of Science and Technology (OIST) • Jabalpur, Madhya Pradesh • 8.5

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## CERTIFICATIONS

### Mastering Data Structures & Algorithms using C and C++

UDEMY • 2023

### Solutions Architecture Virtual Experience Program

FORAGE • 2023

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## COURSEWORK

Computer Networks

Operating System

DBMS

Cloud Computing

Compiler Design

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## SKILLS

AWS, Jenkins, Docker, Kubernetes, YAML, Ansible, Terraform, Bash Scripting, Datree, Lens, Kubescape, Nexus, SQL, Git and GitHub, Maven and SonarQube, Linux and Windows, MS Office, Data Structure and Algorithm, C++

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## AWARDS

2022 Red FM Qualifier

2021 7th Race Bot Tournament

2018 State Championship Volleyball

2018 National Indian Championship Rock ball (Delhi)

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## LANGUAGES

English, Hindi, Bengali